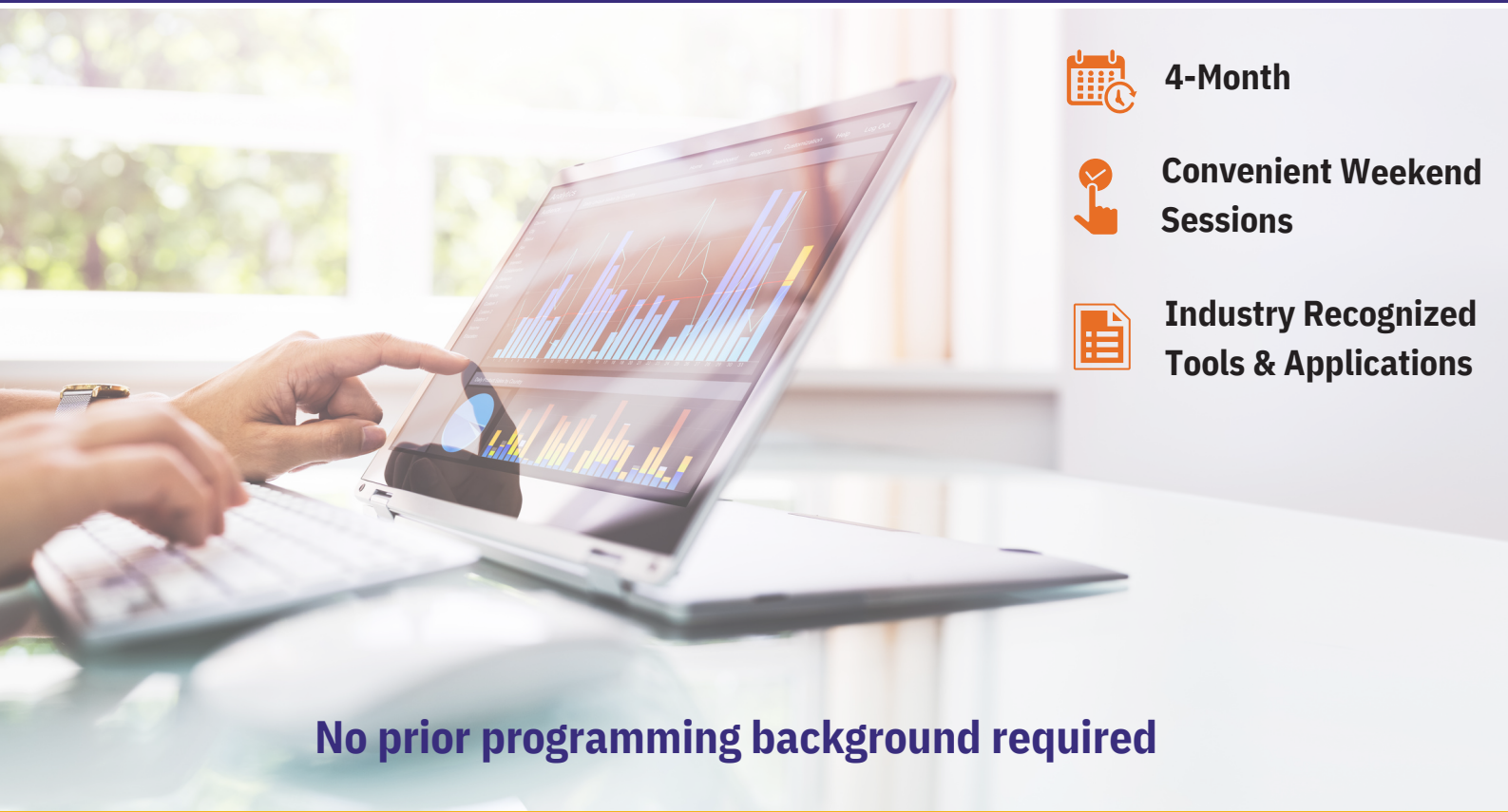


LIVE

DATA ANALYTICS & BUSINESS INTELLIGENCE PROFESSIONAL

VIRTUAL INTERACTIVE PROGRAM



4-Month



Convenient Weekend Sessions



Industry Recognized Tools & Applications

No prior programming background required

10+ Industry Leading Projects in E-Commerce, Retail & BFSI

INTERNATIONAL CERTIFICATE PARTNERS



AICPA & CIMA

The Association of International Certified Professional Accountants®



DEAKINCo.



Deakin University,
Australia

Visit NSE Academy Website 

PROGRAM OUTLOOK

The program is developed by Practitioners at Grant Thornton & NSE Academy to equip learners with the **sought-after skills set** - analyzing large data sets and deciphering business insights. It begins with foundation of data analytics, statistics, and excel before moving to the core modules.

- Get hands-on with the most in-demand **data analytics and visualization tools**
- Receive **Personalized Support** from your Program Manager, during and after sessions
- Attend live sessions and **access session recordings for 2 years**, anytime, anywhere
- Get **Certified by two global leading industry bodies** - NSE Academy and GT Academy
- The program includes **courses from DeakinCO, Deakin University (Australia), AICPA & CIMA (USA), and Grant Thornton Bharat**

TOOLS & LANGUAGES



Python



R Programming



Tableau



Power BI



PANDAS



Predictive Modelling



NumPy



Descriptive Statistics



MS Excel



Machine Learning

PROGRAM BENEFITS



Capstone & Industry Projects

Apply knowledge and acquired skills with 10+ industry projects from the BFSI, E-Commerce, Retail among others. Complete the capstone project under the guidance of program coaches.



Upskill for Better Pay-Scale

Increase your earning potential by showing knowledge & competency. A full-time professional with relevant certification may earn up to 10 LPA*

*Source: https://www.payscale.com/research/IN/Job=Data_Analyst/Salary



Industry Aligned Curriculum

The learning modules combine academic elegance and business relevance to facilitate the participants to weave them with applications for business decisions.



Experiential Learning

This program is designed to transform candidates through hands-on tools, applications, projects, case studies and exercises.



NSE Knowledge Hub

The program will be delivered through **NSE Knowledge Hub**, a complete AI Powered Learning Experience Platform (LXP).



Comfort of Weekend Batches

Make best use of your weekend with classes on Saturdays & Sundays without disturbing your office schedule.

Do You Know?

Business functions like sales, marketing, operations, finance, human resources, supply chain, etc. generate a lot of raw data that should be analyzed to generate business insights to take strategic decisions. Therefore, organizations hire professionally trained Data Analysts who work closely with the senior leadership team.

IDEAL FOR

Professionals looking to transition to a data analytics role

Tech professionals looking to transition to a Managerial role and effectively manage ML & AI projects

Consultants who are looking to build their expertise in DS, ML & AI for better client management

Business Heads wanting to leverage the power of Analytics tools to make data-based business decisions

Entrepreneurs, and business leaders who want to learn data analysis for better business performance

Final Year MBA Students aspiring for a career in Business Analytics



PROGRAM STRUCTURE

The program begins with self-paced primers, courses from top international professional bodies and universities, to build a strong foundation for the core course modules. Participants will access course material through the NSE Knowledge Hub platform.

Primer 1: Insightful Financial Analysis

AICPA & CIMA and NSE Academy



In this course, you will learn to ...

1. Identify the key components in a financial statement analysis
2. Identify the components in a ratio analysis
3. Identify methods for predicting cash flow

Primer 2: Advanced EXCEL Boot Camp

Grant Thornton and NSE Academy



In this course, you will learn to...

1. Simplify complex spreadsheets
2. Streamline operational work by using advanced formulas and templates
3. Use advanced functions to improve productivity
4. Enhance spreadsheets by applying visual elements such as charts and graphics

Primer 3: Problem Solving Methodologies

Deakin Co, Australia and NSE Academy



There are three modules in this course...

Module 1: Problem-solving approaches

Module 2: Case studies

Module 3: Case study application

CORE MODULES

MODULE 1

Python for Data Analytics

- Python Programming Essentials I - Variables, Expressions, and Control Statements
- Python Programming Essentials II - Functions and Data Structures
- Python Libraries for Data Science - NumPy
- Python Libraries for Data Science - Pandas
- Python Assignment
- Business Intelligence (using Power BI)
- Practical Data Considerations: Data Cleaning and Preparation
- Course Project: Python

Business Problem solving

MODULE 2

- Understanding the Business Problem
- Time Series Forecasting
- Exploratory Data Analysis

MODULE 3

Business insides and Data based storytelling

- Visualizing perceptual data
- Interpreting visualizing output
- Visualization using Tableau
- Data Storytelling: Narrate Stories in a Memorable Way
- Project on deriving business insights and storytelling

Algorithms for Data Analytics

MODULE 4

- Supervised ML
- Predictive Analysis (Linear Regression, Logistic, Lasso, Ridge, K-Means)
- Introduction to Ensemble Models: Random Forest & Boosting

MODULE 5

Advanced Machine Learning

- Unsupervised Learning: Association Rules Mining (Market Basket Analysis)
- Classification & Regression Models using Neural Networks
- Introduction to Deep Learning
- Introduction to Convolutional Neural Networks
- Introduction to Natural Language Processing
- Modeling on Text data
- Assignment
- Executing AI Strategy

PROGRAM OUTCOMES



Data Preparation

Structuring data, sourcing the right data, managing the planning, design and execution of an analysis, and helping communicate, interpret and implement the results.



Data Driven Strategy

Generate useful business insights that define strategy, processes and key performance indicators as per industry best practices to monitor the overall performance against the competitors.



Customer Analytics

Understanding your customer better through segmentation, identification and targeting, and supporting effective marketing strategies and campaigns.



Process Design

Creating high-performing structures, processes and technology-enabled delivery models.



Live Dashboards

Gaining access to real-time, actionable customer and market information to make informed and multi-layered business decisions.



Risk Analytics

Identifying, remediating and resolving the risk analytics and data management deficiencies.

Learning Pedagogy



Capstone Project



Assignments



Real World Cases

PROGRAM COACHES



PRANAV KAUSHIK

Partner & Client Advisor

Grant Thornton

Pranav Kaushik is currently a Partner and Client Advisor with Grant Thornton. He leads Digital Transformation services at GTL. He specializes in helping clients leverage high-potential emerging technologies such as Artificial Intelligence, Machine Learning, Robotics Process Automation, Chatbots, Blockchain, and open-source web technologies to solve complex business problems.

He is a regular speaker at several industry events and some of the projects that he has delivered are industry-leading and globally awarded. Pranav is an MBA from Lancaster University Management School, UK, and earned certification from Stanford University in Machine Learning

Raman Shenoy is currently a partner with Grant Thornton. He has over 16 years of experience in leading strategic and large transformation assignments for global organizations in India and abroad. His expertise is in GBS setup & transformation, contract reviews, outsourcing deal renewals, operating model design, vendor selection, data & IM (modeling, engineering & management), and global program management. He has worked with clients across a range of industries including Financial Services, CPG, Infrastructure, Manufacturing, Retail, Media & Telecom, Leisure & Entertainment, Oil and Gas, and Government.

Raman completed his MBA from IBS, India, and his BE from MIT, Manipal. He has also earned industry-leading certifications like Agile Leadership ICP-LEA & IBM Blockchain Essentials among many other achievements.



RAMAN SHENOY

Partner

Grant Thornton



Dr. DEEPAK SINGH

Industry Consultant

Grant Thornton

Dr. Deepak Singh completed his doctorate from the Indian Institute of Technology, Kanpur, and has over 13 years of experience in the field of academics and the IT industry. His core areas of expertise include real-life applications of artificial intelligence and IoT-based systems. Apart from teaching in prominent institutions in Lucknow, he is also a consultant for several IT firms. He has also advised the UP government on IT implementation in Public Libraries.

He has played a key role in several AI-based research projects, which include the Digital Transformation of several prominent educational institutes of Lucknow, two projects funded by the Government of India, and several other projects related to AI-ML implementation. He has trained several senior-level executives of IT companies across the world like Singapore, Japan, and China.

FEE INCLUSIONS

- International Certificates (Primers, Course)
- Course Material
- Access to Recorded Sessions
- Career Support Services
 - a. Personalized Resume Builder
 - b. LinkedIn Profile Support

Access to NSE Knowledge Hub
Platform for TWO YEARS

Powered By



PROGRAM FEE

Rs. 81,999 + GST

[Register Now](#)

No Cost EMI Options Available

For corporate nominations and scholarships, please contact

Shivkant Singhal

 shivkants@nse.co.in

 +91 9810116866

About NSE Academy Limited

NSE Academy Ltd. is a wholly-owned subsidiary of the National Stock Exchange of India Ltd. (NSEIL). NSE Academy enables the next generation of BFSI and FinTech professionals with industry-aligned skills through capacity-building programs and certification courses, powered by an online examination and certification system. The courses are well-researched and carefully crafted with inputs from industry professionals. NSE Academy works closely with reputed universities and institutions across India in building a competent workforce for the future of BFSI and FinTech. NSE Academy also promotes financial literacy as an essential life skill among youngsters - a contribution towards financial inclusion and wellbeing.



About Grant Thornton Bharat

With more than 62,000 people in over 130 countries, Grant Thornton is truly a global organization. However big the organization or however international the challenges you face, GT has the resources to match. The organization has member firms in over 130 countries worldwide. It is ranked one of the top six firms in 88 markets around the world and established in all major business centers and emerging markets.

Grant Thornton Bharat with 6500 people and, 15 offices, has a presence in 13 major cities of India; Delhi, Ahmedabad, Bengaluru, Chandigarh, Chennai, Dehradun, Gurgaon, Hyderabad, Kochi, Kolkata, Mumbai, Noida and Pune.



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5. The "Forensic Accounting & Fraud Investigation" program is administered by the NSE Academy Ltd and Grant Thornton Bharat. The participants need to complete certificate criteria independently to be eligible for the respective certificates.
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