



Best IT Institute in India | Learn Today, Lead Tomorrow

DATA ANALYTICS

Course details

About Us

At **GrepUp Academy**, we believe that quality education should be accessible, practical, and future-focused. Our mission is to empower students with the right skills and mindset needed to thrive in today's competitive tech world. Whether you're a college student, working professional, or someone switching careers, our courses are designed to take you from beginner to job-ready — with full support along the way.

At GrepUp Academy, our Data Science program helps students build strong skills in Python, statistics, machine learning, and deep learning through hands-on projects and real-world tools like Scikit-Learn and TensorFlow. With practical training, expert guidance, and career support, we prepare learners to confidently enter the Data Science field and grow in high-demand tech roles.



With over **9.5K+** students trained and many landing careers in top companies with salaries up to **₹45 LPA**, **GrepUp Academy** is proud to be a launchpad for tech talent. From interview preparation and resume building to one-on-one mentorship and career guidance, we support students every step of the way. Our vision is clear — to build India's most career-focused tech learning platform where learning is not just theoretical, but transformational.

6-Months Data Analytics Curriculum

Month 1: Foundations of Data Analytics

- Introduction to Data Analytics
- Excel for Data Analysis
- SQL for Data Manipulation

Month 2: Programming for Data Analytics

- Python for Data Analytics
- Data Visualization

Month 3: Advanced Data Analytics

- Statistics and Probability
- SQL Advanced Concepts
- Python for Advanced Analytics

Month 4: Business Intelligence and Real-world Applications

- Business Intelligence Tools
- Data Handling and ETL Processes
- Domain-Specific Applications

Month 5: Soft Skills and Final Preparation

- Soft Skills Development
- Final Project Presentation
- Industry Networking & Placement Assistance

Month 6: Capstone Project and Practical Implementation

- Project Work
- Interview Preparation

Foundation of Data Analytics

1st Month

Understanding the Core of Data Analytics

The foundation of data analytics lies in understanding how to collect, organize, and interpret data to extract meaningful insights. It begins with identifying the right data sources — whether from databases, spreadsheets, APIs, or web scraping — and ensuring that the data is clean, consistent, and reliable. Learners are introduced to key concepts like data types, descriptive statistics, and data exploration techniques. At GrepUp Academy, we help students build a solid base in essential tools like Excel, SQL, and Python, which allow them to manipulate data, spot trends, and answer real business questions through evidence-based decision-making.



Developing Analytical Thinking and Real-World Application

A strong foundation in data analytics also means developing the ability to think critically, ask the right questions, and choose the right analytical approach. Students learn how to apply techniques such as filtering, grouping, sorting, and summarizing data — both programmatically and visually — to gain deeper insights. At GrepUp Academy, we focus on real-world use cases and case studies so that learners can apply what they've learned to actual problems in marketing, finance, operations, and more. With this practical mindset and technical training, students are equipped to make data-driven decisions, present insights confidently, and step into the data industry with clarity and competence.



Programming for Data Analytics

2nd Month

Programming: The Engine Behind Data Analytics

Programming plays a vital role in data analytics, enabling professionals to automate tasks, process large datasets, and perform complex analyses with precision. Languages like Python and R are widely used due to their simplicity, flexibility, and strong community support. At GrepUp Academy, students begin their journey with the basics – variables, loops, functions, and data structures – before moving into more advanced programming concepts tailored to data workflows. These skills allow learners to clean, transform, and analyze data efficiently, which is essential for generating actionable insights in any industry.



Hands-On Coding for Real-World Data Problems



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Advanced Data Analytics

3rd month

Mastering the Art of Advanced Data Analytics

Advanced Data Analytics goes beyond basic analysis and dives deep into predictive modeling, machine learning, statistical inference, and big data processing. It empowers professionals to forecast trends, identify hidden patterns, and make smarter business decisions backed by complex algorithms and real-time data. At GrepUp Academy, students explore advanced topics like regression analysis, classification, clustering, and time series forecasting using powerful tools such as Scikit-Learn, XGBoost, Power BI, and Tableau. This level of analytics is essential for organizations that want to move from reactive decision-making to proactive, data-driven strategies.



Tools, Techniques & Industry-Relevant Practice



Our advanced data analytics training blends technical depth with hands-on application. Students gain practical experience in working with real-world datasets, applying techniques like feature engineering, model evaluation, cross-validation, and hyperparameter tuning. We also introduce them to high-performance environments like Google Colab, BigQuery, and cloud-based dashboards that mimic industry-grade workflows. With this skill set, learners at GrepUp Academy are not just data-literate — they're data-capable, ready to take on complex analytical challenges and make an immediate impact in roles like data scientist, analyst, or business intelligence expert.

Business Intelligence and Real-world Applications

4th month

Business Intelligence: Turning Data into Strategic Action

Business Intelligence (BI) is the process of transforming raw data into meaningful insights that support decision-making at every level of an organization. Through dashboards, reports, and data visualization, BI enables companies to monitor performance, track KPIs, and uncover opportunities for growth. At GrepUp Academy, we train students to use industry-leading BI tools like Power BI, Tableau, and Google Data Studio to design interactive dashboards, connect with live data sources, and deliver insights that are both data-rich and easy to understand. This real-time reporting capability is essential for staying competitive in today's fast-paced business environment.



Real-World Applications Across Every Industry



Business Intelligence is used across virtually every sector – from analyzing customer behavior in e-commerce to optimizing inventory in supply chains, forecasting demand in manufacturing, and measuring campaign effectiveness in marketing. At GrepUp Academy, students work on real-world BI projects that mirror challenges faced by companies today. They learn how to clean and model data, create impactful visual stories, and present insights that drive results. This hands-on experience prepares learners to take on roles in analytics, consulting, and business strategy with the confidence and skills needed to solve real business problems.

Soft Skills and Final Preparation

5th month

Soft Skills: The Secret to Standing Out in Tech Careers

In today's competitive job market, technical knowledge alone isn't enough — soft skills play a crucial role in building a successful career in Data Science, Web Development, and AI. At GrepUp Academy, we place strong emphasis on helping students develop essential soft skills like communication, teamwork, time management, problem-solving, and adaptability. These qualities help students collaborate effectively, present their ideas clearly, and thrive in real-world work environments. Whether you're explaining a data model to non-tech stakeholders or managing project timelines, soft skills set you apart as a professional.



Final Preparation: Polishing Skills for Career Success

Before students step into interviews or internships, we ensure they're fully prepared through rigorous mock interviews, resume-building sessions, portfolio reviews, and personal branding support. At GrepUp Academy, our final preparation phase helps learners consolidate everything they've learned — from coding and data tools to project work and communication. They graduate with a polished LinkedIn profile, GitHub projects, and the confidence to crack technical rounds, HR interviews, and even case-based problem-solving scenarios. Our goal is to ensure that every student is not just skilled — but also job-ready and placement confident.

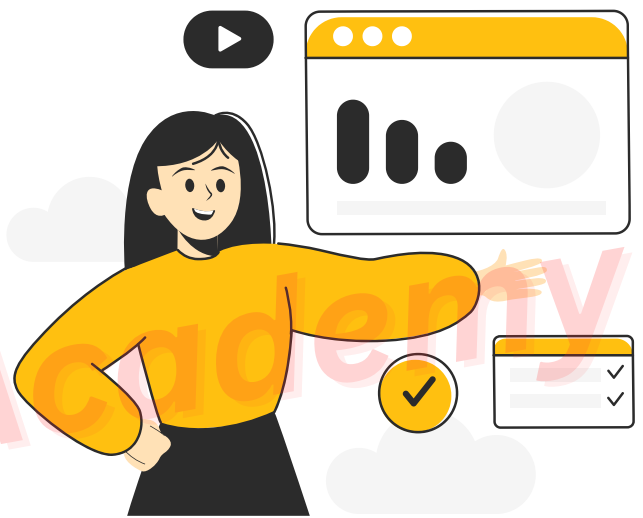


Capstone Project and Practical Implementation

5th month

Capstone Projects: Turning Knowledge into Real-World Impact

At GrepUp Academy, our Capstone Projects are designed to be the bridge between learning and real-world application. These comprehensive projects allow students to apply everything they've learned — from data wrangling and machine learning to full-stack development or generative AI — in a practical, end-to-end scenario. Working with real datasets and solving industry-relevant problems, students build solutions that showcase their technical expertise, creativity, and problem-solving abilities. These projects are not only a major confidence booster but also serve as a strong portfolio piece for interviews and job applications.



Practical Implementation That Builds Job-Ready Skills

We believe true learning happens when theory meets practice — that's why every course at GrepUp Academy includes hands-on assignments, live tool training, and guided implementation. From deploying machine learning models using Flask or Streamlit, to building interactive dashboards with Power BI or Tableau, students experience the workflow professionals use in real companies. They learn version control with Git, host their code on GitHub, and present their projects like a pro. This real-world implementation ensures our students don't just "know" the tools — they've used them to build something that matters.



Why Choose Us?

✓ Practical Learning That Gets You Hired

At GrepUp Academy, we focus on real-world skills — not just theory. Every course includes hands-on projects, live tools, and real datasets to make sure you're job-ready from day one. You'll build things that matter, practice industry workflows, and create a portfolio that speaks for your skills.



🎯 Beginner-Friendly and Mentor-Led

Our courses are designed for complete beginners as well as upskillers. You'll learn step-by-step with simple explanations and personal guidance from expert mentors. Doubts? We offer regular doubt-clearing sessions and one-on-one support to help you stay on track and grow with confidence.



📁 Updated Content with Industry-Relevant Tools

We teach what the industry needs. From Python and SQL to Tableau, Power BI, TensorFlow, and React — our content is always updated to reflect the latest tools, technologies, and job requirements. You won't just learn — you'll stay relevant in a fast-moving tech world.



🚀 End-to-End Career Support

We don't stop at teaching — we help you land the job. Our students receive complete career assistance including resume writing, mock interviews, LinkedIn optimization, and portfolio reviews. Many have gone on to secure roles with packages up to ₹45 LPA, proving our system works.



🌟 A Trusted Learning Community of 9.5K+ Students

With over 9,500 learners across India, GrepUp is building a strong tech education community. Students trust us for our teaching style, personalized support, and career-driven focus. When you choose GrepUp, you're joining a growing network of future-ready professionals.



Necessary Tools & Libraries



Excel is a powerful tool that helps you manage, analyze, and visualize data. Excel is one of the most essential tools for anyone working with data — from organizing and cleaning spreadsheets to analyzing trends and creating interactive dashboards, it gives you complete control over data in a simple, visual format. At GrepUp Academy, we help students master Excel from basics to advanced features through real-world practice, efficiently using functions, formulas, and dynamic dashboards.



MySQL is a powerful open-source database system that allows you to store, manage, and retrieve large amounts of structured data efficiently using SQL queries. At GrepUp Academy, we train students to work confidently with MySQL — from creating tables and running complex joins to building real-time database-driven applications.



R Programming is a powerful language widely used in statistics, data modeling, and research-based analytics, especially in academic and corporate environments. At GrepUp Academy, we teach R with a practical focus — covering everything from variables and data structures to advanced topics like data visualization with ggplot2, statistical testing, and building predictive models. Our hands-on approach ensures learners gain confidence in using R for real-world data science and decision-making tasks.



Tableau is a leading data visualization tool that helps you turn raw data into interactive, insightful dashboards used by businesses worldwide for decision-making. At GrepUp Academy, we train students to master Tableau from the ground up — from basic charts to advanced visual analytics — using real-world datasets and hands-on projects that build job-ready skills.



Power BI is a powerful business intelligence tool by Microsoft that allows you to connect data from multiple sources, analyze it deeply, and create interactive dashboards for smarter decision-making. At GrepUp Academy, we guide students through every step — from data cleaning and modeling to building real-time reports — making them confident in using Power BI for industry-level analytics.

Necessary Tools & Libraries



NumPy is a foundational Python library used for high-performance numerical computing, making it essential for data science, machine learning, and scientific analysis. At GrepUp Academy, we help students master NumPy from scratch — covering arrays, broadcasting, mathematical functions, and real-world applications — to build a strong base for advanced data processing and analytics.



Pandas is one of the most essential Python libraries for data manipulation and analysis, allowing users to clean, filter, group, and transform data with ease. At GrepUp Academy, we train students to master Pandas using real-world datasets — teaching everything from DataFrames and indexing to merging, aggregating, and preparing data for machine learning and reporting.



Matplotlib is a powerful Python library used to create clear, professional-quality visualizations such as line charts, bar graphs, histograms, and scatter plots. At GrepUp Academy, we teach students how to use Matplotlib from the basics to advanced customizations — enabling them to tell compelling stories with data, analyze trends visually, and make their projects stand out with impactful graphs.



Seaborn is a powerful Python visualization library built on top of Matplotlib, known for making beautiful and informative statistical graphics with just a few lines of code. At GrepUp Academy, we teach students how to use Seaborn to create heatmaps, pair plots, box plots, and more — helping them analyze data patterns, uncover insights, and enhance the visual appeal of their data science projects.



Anaconda is a powerful open-source platform used by data scientists and developers to easily manage Python libraries, environments, and tools all in one place. At GrepUp Academy, we help students get started with Anaconda from day one — teaching them how to set up environments, manage packages, and use tools like Jupyter Notebook for smooth, efficient, and organized coding throughout their data science journey.

Necessary Tools & Libraries



Google BigQuery is a powerful, serverless data warehouse that allows you to analyze massive datasets using SQL – quickly, securely, and at scale. At GrepUp Academy, we teach students how to use BigQuery to connect with cloud data sources, run lightning-fast queries, and visualize insights using tools like Looker Studio and Colab. Whether you're working on analytics, machine learning, or business intelligence, BigQuery is a must-know tool for handling real-world big data efficiently and professionally.



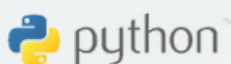
MongoDB is a modern NoSQL database designed to handle unstructured and semi-structured data with high speed, flexibility, and scalability. Unlike traditional SQL databases, MongoDB stores data in dynamic JSON-like documents, making it ideal for real-time applications, big data, and fast-growing web platforms. At GrepUp Academy, we train students to work with MongoDB from the basics to advanced – including CRUD operations, schema design, indexing, and aggregation pipelines – so they can build and manage powerful database-driven applications with ease.



Jupyter Notebook is an interactive coding environment that lets you write, run, and visualize Python code in one place – making it ideal for learning, data analysis, and project documentation. At GrepUp Academy, we train students to use Jupyter efficiently for writing clean code, creating visualizations, adding notes, and building end-to-end data science projects that are both functional and presentation-ready.

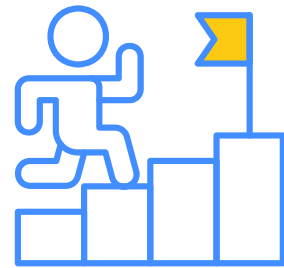


Google Colab is a cloud-based platform that lets you write and run Python code directly in your browser – with no installation required and free access to GPUs. At GrepUp Academy, we teach students how to use Colab for building and testing real-world data science and machine learning projects, collaborating easily, and speeding up model training with powerful hardware – making learning smooth, flexible, and efficient.



Python is one of the most beginner-friendly yet powerful programming languages used across Data Science, AI, Web Development, and Automation. At GrepUp Academy, we teach Python from the ground up – starting with basics like variables, loops, and functions, and progressing to advanced topics like object-oriented programming, libraries, and real-world projects. Our hands-on approach ensures that every student not only understands Python but can use it to solve real problems confidently.

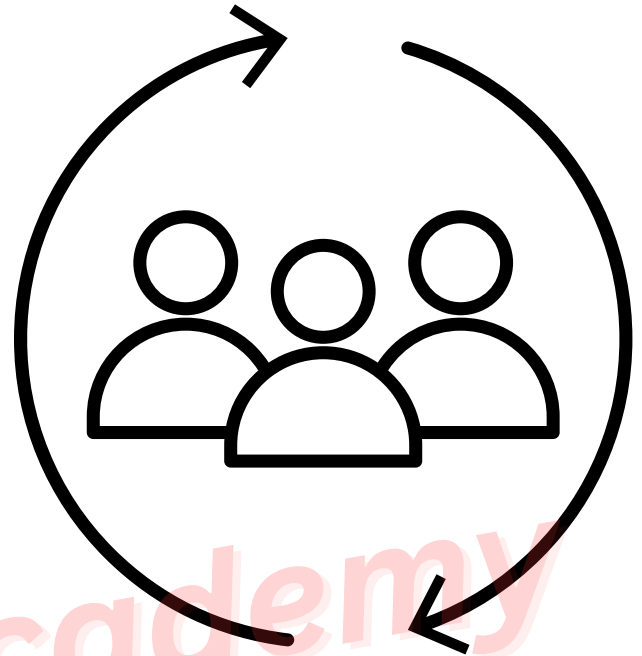
Top Hiring Companies



Our students at GrepUp Academy are hired by some of the most respected and fastest-growing companies in the tech, analytics, and software sectors. From established multinational firms to cutting-edge startups, employers are constantly looking for skilled professionals who can solve real-world problems using data, code, and creativity. With our hands-on training, job-focused curriculum, and interview preparation support, learners become confident and job-ready – and many go on to secure roles with impressive salary packages and long-term growth potential.

Contact Support

At GrepUp Academy, we believe in supporting our students at every step of their learning journey. Whether you have questions about a course, need help choosing the right path, or want guidance on placements – our team is just a message away. You can reach out to us anytime through our official WhatsApp, email, or contact form. Your success is our priority, and we're committed to providing the mentorship, feedback, and personal support you need to grow confidently in your tech career. Let's build your future, together.



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