

Data Analytics Training Program

"From Noida's premier software training institute - a course built to launch your tech career."



About STLabs

STLabs is a reputed technology training institute committed to delivering high-quality, industry-oriented education in software testing and development. With over 10 years of consistent excellence, STLabs has built a strong reputation for its dedication to student success and career growth.

We focus on nurturing our students through practical learning, expert mentorship, and continuous guidance, ensuring they are well-prepared for real-world challenges. Our commitment goes beyond training—we actively support each student in achieving their career goals by providing strong placement assistance, backed by an impressive track record of successful placements.

At STLabs, every effort is made to empower students with the skills, confidence, and opportunities needed to build a successful future.

Job-Oriented Data Analytics Training Program



Offered by STLabs India

Industry-Relevant Job Oriented Data Analytics Courses to Get You Hired!



PhonePe



STLABS INDIA 10-years legacy of **success**

Empowering coders to achieve their dreams

● **20K+ Learners**

cracked dream roles at top tech companies

● **Regular Assignments**

after completing the modules

● **Expert Mentorship**

cracked dream roles at top tech companies

● **Career Guidance**

cracked dream roles at top tech companies

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cracked dream roles at top tech companies

● **5k+ Alumni in MNC**

& more in 103/111 Unicorne

● **Interview Preparation**

via our placement cell

● **Flexible Learning**

via our placement cell

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via our placement cell

● **Placement Assistance**

via our placement cell

CAREER Growth
Potential Performance
Ethic Development

Tools & Technologies

Data Analytics relies on a powerful ecosystem of tools and technologies that enable professionals to collect, process, analyze, and visualize data efficiently. At the core of this ecosystem is Python, the most widely used programming language for data analysis, machine learning, and automation. Its extensive libraries make it ideal for solving real-world business problems through data-driven insights.

To manage and query data effectively, MySQL plays a crucial role, providing a strong foundation in database management and structured data handling. Visualization tools like Power BI transform raw data into interactive dashboards and meaningful business insights, helping professionals make informed decisions quickly and confidently.

Complementing these skills, learners at STLabs India gain hands-on experience with Git for version control, AWS for cloud-based deployment and data storage, and LinkedIn for building a strong professional presence. Together, these tools empower students to become industry-ready data professionals, capable of managing end-to-end data workflows with confidence.



Python
Programming



Advance
Excel



Git &
Github



Microsoft
Power BI

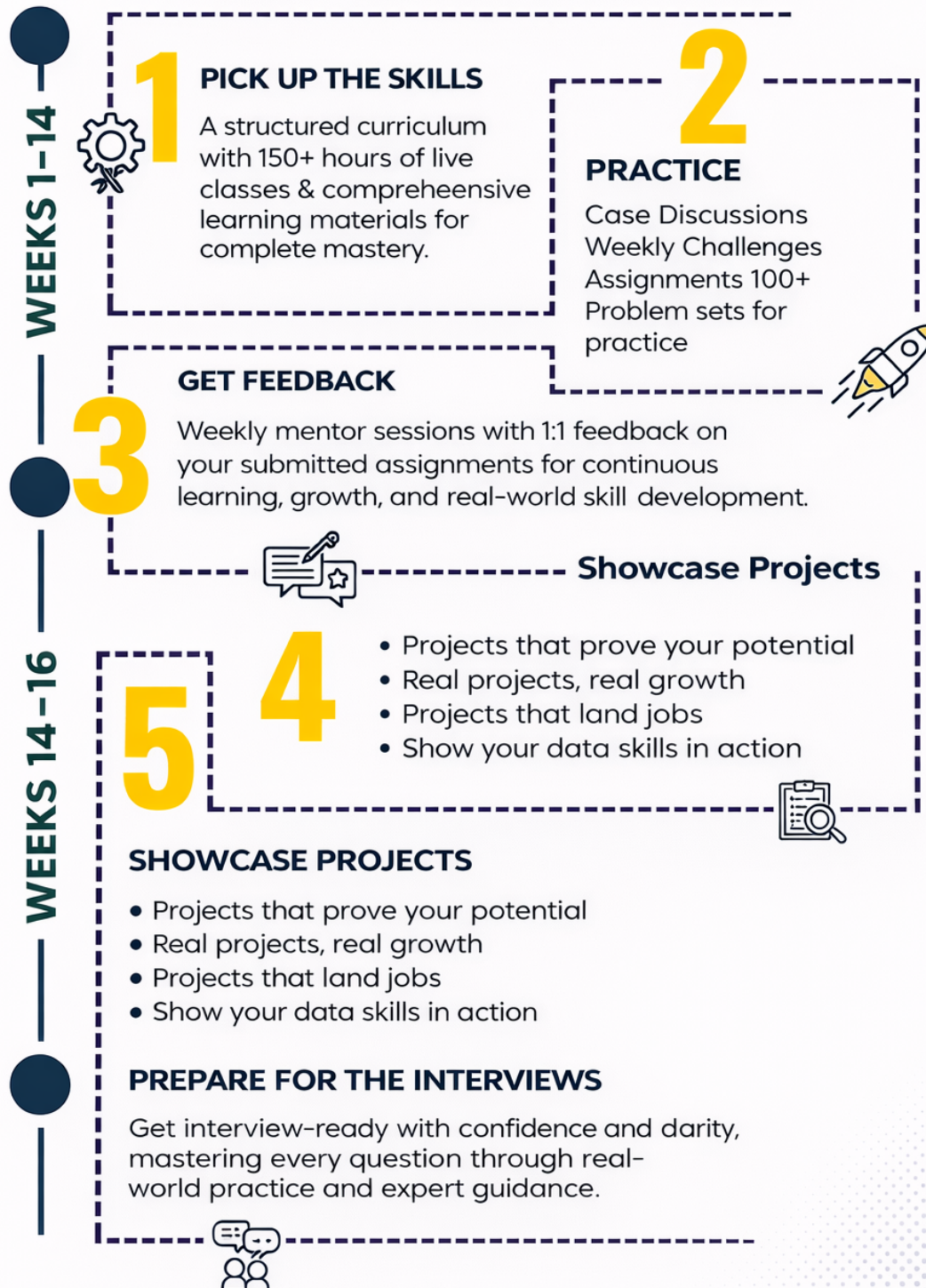


SQL
Database



LinkedIn
Profile

ST Labs India Course Pipelines



Course Curriculum

Python Programming	<ul style="list-style-type: none"> • Introduction to Python & IDE Setup • Data Types, Variables & Operators • Conditional Statements & Loops • Functions & Modules • File Handling & Exception Handling • Libraries: NumPy, Pandas, Matplotlib • Data Manipulation & Visualization • Working with APIs & JSON • Mini Projects & Real-world Practice
Analysis & Data Visualization	<ul style="list-style-type: none"> • Introduction to Data Analysis • Data Cleaning & Preparation • Exploratory Data Analysis (EDA) • Handling Missing & Outlier Data • Descriptive Statistics & Insights • Data Visualization with Matplotlib • Interactive Dashboards using Power BI • Storytelling with Data • Project: Analyze & Present Real Datasets
Case Studies	<ul style="list-style-type: none"> • Analyzing COVID-19 Trends using Python & Pandas • Sales Performance Analysis • Customer Purchase Behavior Analysis • Movie Rating Analysis with Matplotlib & Seaborn • Stock Market Data Visualization using Python • Employee Attrition Data Analysis • Air Quality Index (AQI) Visualization Project • E-commerce Data Cleaning & Insights Report • HR Analytics
Mysql Database	<ul style="list-style-type: none"> • Introduction to Databases & MySQL • Creating & Managing Tables • Data Insertion, Update & Deletion • Filtering & Sorting with WHERE and ORDER BY

	<ul style="list-style-type: none"> • <i>Joins & Relationships between Tables</i> • <i>Aggregate Functions & Grouping Data</i> • <i>Subqueries & Nested Queries</i> • <i>Data Normalization & Keys</i> • <i>Practical SQL Projects & Reporting</i>
Case Study	<ul style="list-style-type: none"> • <i>Sales Data Analysis using SQL Queries</i> • <i>Employee Performance Tracking System</i> • <i>Customer Purchase Pattern Analysis</i> • <i>Banking Transaction Monitoring Project</i> • <i>Hospital Patient Record Management</i> • <i>E-commerce Order & Inventory Insights</i> • <i>University Student Result Management</i> • <i>Retail Store Revenue Optimization</i> • <i>Real-time Data Reporting Dashboard with SQL</i>
GitHub	<ul style="list-style-type: none"> • <i>Introduction to Git & GitHub</i> • <i>Setting Up Repositories</i> • <i>Cloning & Managing Projects</i> • <i>Commit, Push & Pull Operations</i> • <i>Branching & Merging Techniques</i> • <i>Resolving Merge Conflicts</i> • <i>Collaborating with Teams on GitHub</i> • <i>Using GitHub for Project Version Control</i> • <i>Hosting & Showcasing Data Science Projects</i>
Statistics for Data Analytics	<ul style="list-style-type: none"> • <i>Grasp core concepts of descriptive and inferential statistics.</i> • <i>Understand probability theory and data distributions.</i> • <i>Learn sampling methods and data summarization techniques.</i> • <i>Perform hypothesis testing for data-driven conclusions.</i> • <i>Explore correlation and regression for relationship analysis.</i> • <i>Handle data variability, outliers, and real-world noise.</i> • <i>Use statistical tools for analytical problem-solving.</i> • <i>Translate statistical outcomes into business insights.</i>

Advance Excel	<ul style="list-style-type: none"> Master advanced formulas, functions, and data manipulation techniques. Learn data cleaning, validation, and automation using Excel tools. Create dynamic dashboards with PivotTables and PivotCharts. Use conditional formatting and data visualization for better insights. Analyze large datasets efficiently with Power Query and Power Pivot. Implement scenario analysis and forecasting models. Utilize Excel's lookup and reference functions for smarter analysis. Build professional reports to support data-driven decisions.
Excel Case Studies	<ul style="list-style-type: none"> Work on real-world business problems using Excel. Apply advanced formulas and analytical tools for data processing. Create interactive dashboards to visualize key metrics. Use PivotTables and charts to uncover trends and patterns. Perform data cleaning, transformation, and modeling tasks. Implement scenario analysis and decision-making models. Present insights through well-structured reports and visuals. Demonstrate practical Excel skills for solving business challenges.
Power BI	<ul style="list-style-type: none"> Work on real-world business scenarios using Power BI. Connect, clean, and transform raw data from multiple sources. Build interactive dashboards and insightful visual reports. Use DAX functions for advanced calculations and analytics. Explore data relationships and modeling techniques. Implement KPIs and performance tracking metrics. Derive actionable insights to support data-driven decisions. Showcase end-to-end Power BI project skills for professional growth.
PowerBI DAX Queries	<ul style="list-style-type: none"> Understand the fundamentals and syntax of DAX formulas. Learn to create calculated columns, measures, and tables. Apply DAX for advanced data modeling and analytics. Use time intelligence functions for trend and period analysis. Implement logical, text, and aggregation functions effectively. Optimize DAX queries for better performance in large datasets. Build dynamic KPIs and custom calculations in dashboards. Gain hands-on experience solving real-world DAX challenges.

Power BI Case Study

- Analyze real-world datasets to solve business problems.
- Use Power Query for data cleaning and transformation.
- Design interactive dashboards with rich visual elements.
- Apply DAX formulas for custom metrics and calculations.
- Build data models to connect and manage multiple datasets.
- Create KPIs and performance reports for decision-making.
- Interpret and present insights through dynamic visuals.
- Demonstrate complete Power BI project execution skills.

Power BI Projects

- Work on real-time, industry-relevant Power BI projects.
- Connect and transform data from multiple sources seamlessly.
- Design interactive dashboards with advanced visualizations.
- Apply DAX for calculated measures and analytical insights.
- Build end-to-end data models for business reporting.
- Implement KPIs and performance metrics for data monitoring.
- Solve real-world business challenges through data storytelling.
- Showcase your Power BI expertise with professional-grade projects.

Tableau

- Introduction to Data Analytics & Tableau
- Tableau Interface & Navigation
- Connecting Data Sources (Excel, CSV, SQL)
- Data Cleaning & Preparation
- Data Blending & Joins
- Creating Charts & Visualizations
 - Bar Chart
 - Line Chart
 - Pie Chart
 - Heatmap
 - Maps
 - Treemap
- Filters, Sorting & Groups
- Calculated Fields & Functions
- KPIs & Dashboard Development
- Interactive Dashboards & Storytelling
- Advanced Analytics & LOD Expressions
- Publishing Reports & Tableau Server Basics
- Real-Time Data Analytics Projects
- Business Dashboard Creation

	<ul style="list-style-type: none"> • Interview Questions & Resume Preparation
Resume Building	<ul style="list-style-type: none"> • Learn how Applicant Tracking Systems (ATS) work and filter resumes. • Craft a professional, keyword-optimized resume for higher visibility. • Highlight skills, achievements, and certifications effectively. • Structure content for clarity, readability, and impact. • Use industry-relevant keywords to align with job descriptions. • Design ATS-friendly formatting without losing visual appeal. • Get guidance on tailoring resumes for specific roles and domains. • Build a strong, interview-winning resume that stands out to recruiters.
LinkedIn Refinement	<ul style="list-style-type: none"> • Optimize your LinkedIn profile to enhance professional visibility. • Craft a compelling headline and summary that reflect your expertise. • Showcase key skills, certifications, and achievements effectively. • Learn to use keywords for better search and recruiter reach. • Build a strong personal brand with engaging content and activity. • Gain strategies to grow your professional network organically. • Understand how to leverage LinkedIn for job and career opportunities. • Present a polished, professional profile that attracts top employers.

Interview Preparation

Our dedicated placement teams have a decade-plus of experience transitioning students from classroom to workplace. Here's how it goes:



Resume Preparation Session

Our mentors will guide you through preparing your personalized resumes connecting your talents, skills, previous experience, etc.



LinkedIn Profile Refinement

LinkedIn is the platform where you get the tickets to your dream job, and we help you optimize your profile there in the finest way so you bag the best salary in the market.



Interview Preparatory Sessions

We provide intensive interview preparation right from Day 1 to prepare candidates for interviews with our network of 2000+ hiring partners.



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Mock Interviews

A panel of industry experts will conduct a SWOT analysis and present you with the feedback and ratings of how you performed in the interview and the areas you need to improve.

Hands on Experience



Why **ST Labs India**?



Top-Notch Faculty Our faculty is our strength. We have certified data analytics trainers, with over 12 years of experience, who have a strong passion for training. The trainers are always at your disposal to assist you throughout the learning process.



Industry-Based Course Curriculum Considering the unmet skill gaps in industry, our course modules are aligned to the latest technological trends, and cover all the essential topics and tools.



Dedicated Post-Training Support Learners gain hands-on experience when they start on their assignments and case studies. We provide dedicated mentors to help with any queries during this phase.



Job Assistance Program Our data science training doesn't stop with theory and practice. We also take responsibility for making you job-ready. Our placement support is included with the course.



Job Star Reviews on Google Our data science training doesn't stop with theory and practice. We also take responsibility for making you job-ready. Our placement support is included with the course.

5/5 Star Reviews on Google We have had many happy learners over the years, and our ratings reflect our ethos of striving to always provide a high-quality learning experience.

Top Hiring Companies



Career Progression and Salary Trends

