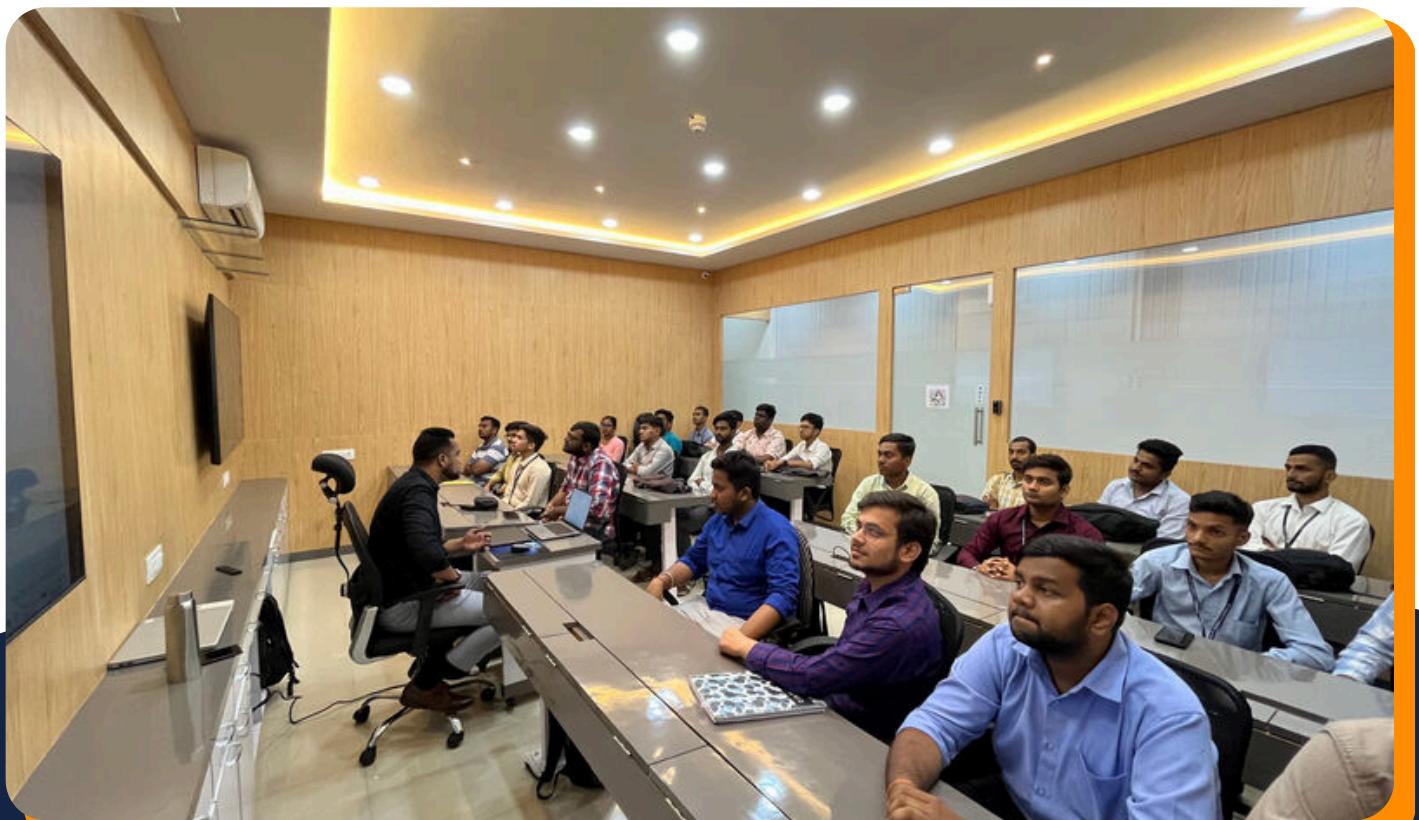


LEADERS IN PROFESSIONAL TRAINING PROGRAMS**MASTER PROGRAM IN
Advanced Data Analytics -
Hero Program****Duration
110 Hours****#1 MUMBAI's PREMIUM
TRAINING INSTITUTE**

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Cinute Digital Pvt. Ltd.

A Premier EdTech Company

About Us

Cinute Digital Pvt. Ltd. (CDPL) is a Premier Training EdTech Company. bridging the gap between academic learning and industry demands. Our hands-on training programs in Software Testing, Data Science & AI, Machine Learning, and Business Intelligence equip graduates and professionals with job-ready skills.

Our Mission

To provide experiential, high-quality IT training that empowers individuals with in-demand skills, making them employable and future-ready.



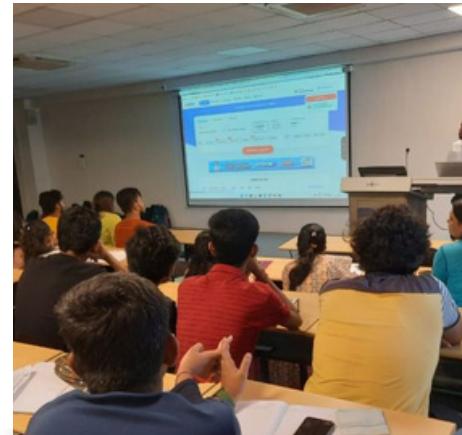
Our Vision

To be the leading IT training institute, equipping learners with cutting-edge skills for career success. and bridging the gap between academic learning and industry





CDPL ADVANTAGES



80:20 APPROACH

80 practical and 20 Theory model
for Industry rich Experience



REAL-TIME PROJECTS

Gain hands-on experience with real-world projects and case studies



1:1 DOUBT SOLVING

The 1:1 Doubt solving ensures
every silly doubt is resolved



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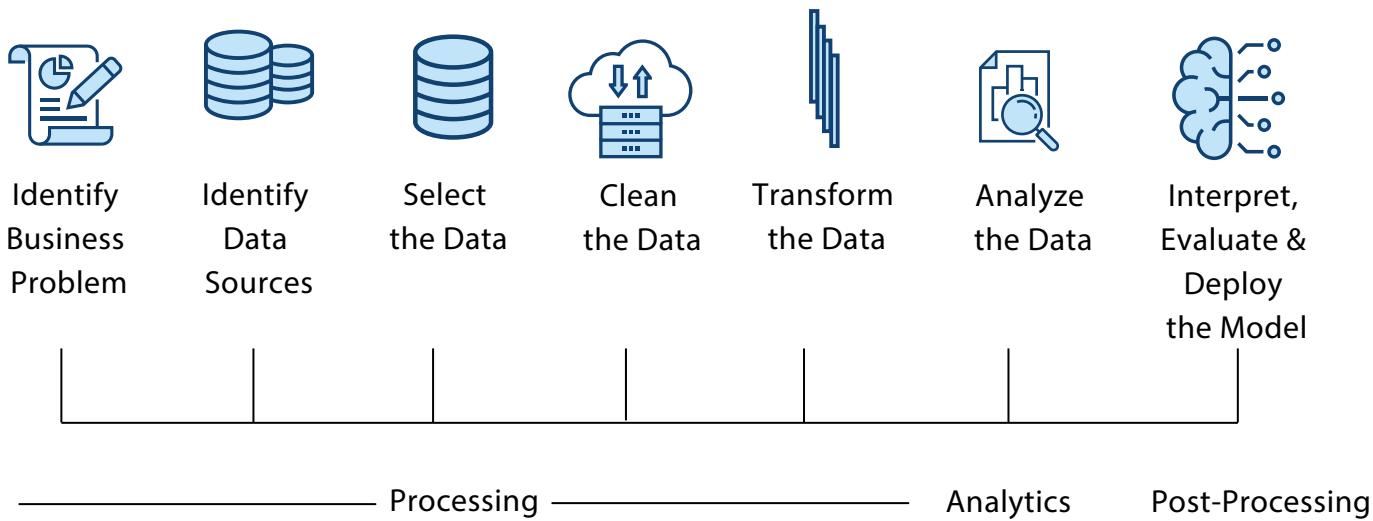
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Data Analyst/ Analytics: A Complete Overview

Cinute Digital's 110-Hour Comprehensive Data Analyst Certification Program is designed in collaboration with industry experts to prepare both freshers and working professionals for a rewarding career in data analytics. This course equips learners with cutting-edge skills in Excel, SQL, Python, R, and leading BI platforms. Through hands-on assignments, real-world case studies, and capstone projects using industry datasets, you'll master the latest analytics techniques and best practices. Discover how this program transforms you into a job-ready data analyst and why Cinute Digital is your ideal learning partner.

Data Analytics Process Model



Data Analytics:

Why Data Analytics Drives Modern Success

Data analytics empowers businesses to convert raw data into strategic decisions, enhancing operational efficiency, scalability, and profitability.

Studies reveal that:

- ▶ Organizations leveraging data analytics are 23x more likely to acquire customers efficiently.
- ▶ Data-driven strategies reduce decision-making time by 70%, accelerating business growth.
- ▶ Companies adopting analytics report an average 1450% ROI, transforming insights into revenue.

At Cinute Digital, we equip you to provide transformative value. Our curriculum seamlessly connects theoretical insights with hands-on experience, ensuring you shine as a skilled data analyst across various industries.





Why Should You Invest in the Course?

25%

Market growth
from 2020 to 2030

101,000+

Job Vacancies
in India

6 LPA

Data Analyst
freshers' average salary

75%

Job Satisfaction

32%

India's share in the
global market



Top Companies Hiring Data Analysts



J.P.Morgan



and many more....

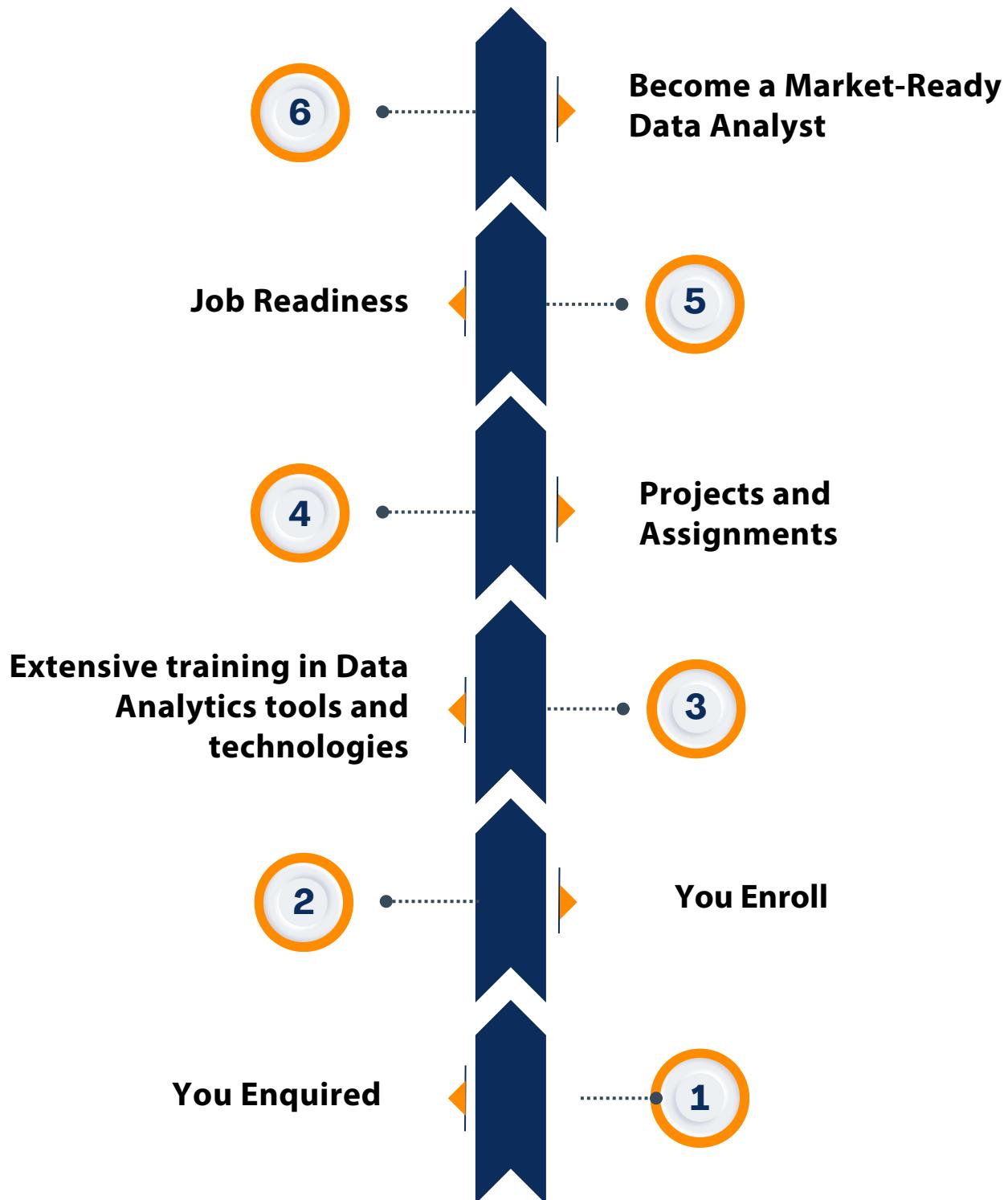


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Learning Path





KNOW YOUR FUTURE AS A DATA ANALYST

As a Data Analyst/Scientist, you turn data into insights that help businesses grow. This skill opens doors to exciting roles with great pay in India and around the world.

Job Roles You Can Apply For

| | | |
|------------------------|-----------------------------------|-----------------------------|
| Applied Data Scientist | Data Science Associate | Data Analyst |
| ML Engineer | DL Engineer | Data Engineer |
| SQL Developer | Data Science Engineer Python & ML | NLP Engineer |
| Senior Data Sceintist | Business Analyst | Lead Applied Data Scientist |
| PowerBI Developer | Tableau Developer | |





Cinute Digital Pvt. Ltd. In Action





Course Highlights



Course Duration
110+ Hours / 4 Months



Lifetime Access to
the content



4 + Skills and
15+ Tools Covered



5+ Capstone Projects
on Different Domains



80+ Assignments &
Case Studies



5 Certificates for the
Price of 1

About the Program

This course provides integrated assignments to implement best practices in Data Analytics and offers intensive interview preparation from Day 1, equipping you for interviews with over 2,000 hiring partners. You'll engage in capstone projects, gaining practical experience that mirrors real-world situations. The all-encompassing curriculum spans foundational concepts to advanced techniques, catering to both novices and those seeking to refine their skills. Expert instructors will support you throughout the process, enabling you to unlock your potential as a confident, industry-ready Data Analyst. Collaborating with AAA, this Data Analytics course is designed to empower both beginners and professionals with the essential skills needed for today's career landscape.





Mode of Learning



CLASSROOM

+

ONLINE

CDPL has a Hybrid (**CLASSROOM + ONLINE**) training pattern where students have the opportunities to attend the sessions in **classroom** as well as **online**. CDPL trainers conduct the training sessions live from CDPL classrooms. All CDPL sessions are live streamed for students from that batch, also the learners are provided with the live recording sessions, thus enabling students to attend the same sessions online and interact with the trainer as well as other students.





All our certificates are validated with a unique authorization QR code.





Our Certification

We will be issuing a certificate from **Cinute Digital** with a unique QR code to validate from our portal. This certificate will be issued once completed with all assessment and mock interview processes.

Power BI



Tableau



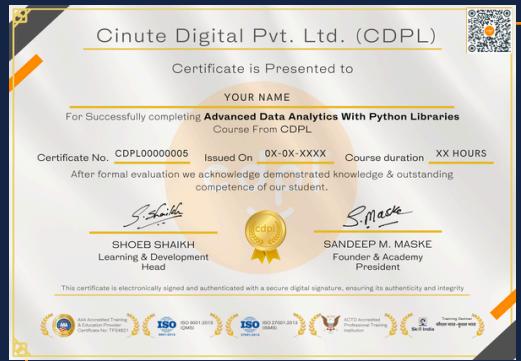
DBMS using MySQL



Advance Excel



Python Libraries





Cinute Digital Pvt. Ltd. Working With Top Global Companies

| | |
|---|---|
|  TECHCRYPTORS |  Axiom Technologies LLP |
|  MediVenturz |  ARYAN TECHNOLOGIES |
|  LENDING TECH SOLUTIONS |  IDfy |
|  Tech Mahindra |  Galentic |
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Tools & Technologies You Will Learn



Data Visualization



Data Analysis



Skills Covered



Database
Concepts



Data Analysis
Concepts



Functions
Charts &
Slicers



Data
Visualization





Course Curriculum

Database Management Systems with MySQL

Module 1: Introduction to DBMS & MySQL

1. Understanding DBMS

- Definition, importance & types (Relational, NoSQL, Hierarchical).
- Key concepts: Data models, schemas & data independence.

2. Introduction to MySQL

- Overview, history & features.
- Advantages and use cases in modern databases.

Module 2: Getting Started with MySQL

1. Installation and Setup

- System requirements, MySQL Server/Workbench installation.
- Basic configuration: user accounts, security settings.

2. MySQL Interfaces

- Command Line Interface (CLI) basics.
- MySQL Workbench: GUI features for design and queries.

Module 3: Database Design and Modeling

1. Database Design Concepts

- ER modeling (entities, relationships) and relational schema conversion.
- Normalization (1NF–BCNF) and denormalization trade-offs.

2. Schema Implementation

- Table creation: data types, keys, constraints.
- Indexing basics (single/composite) for query optimization.





Course Curriculum

Module 4: SQL Basics and Essential Clauses

1. Basic SQL Queries

- SELECT, WHERE, operators (AND, OR, NOT).
- Retrieving data from single/multiple tables.

2. Essential Filtering Clauses

- IN, BETWEEN, LIKE, IS NULL.
- Sorting with ORDER BY and limiting results (LIMIT, OFFSET).

3. Data Manipulation

- INSERT, UPDATE, DELETE operations.
- Transactions (COMMIT, ROLLBACK) for data integrity.

4. MySQL Operators

- Arithmetic (+, -, *, /) and concatenation.
- Logical/comparison operators for precise filtering.

Module 5: Advanced SQL

1. Joins

- Types: INNER, LEFT, SELF, CROSS; multi-table joins.
- USING clause and NATURAL JOIN simplification.

2. Subqueries

- Scalar, correlated subqueries for nested analysis.
- UNION/UNION ALL for combining results.

3. Aggregations

- GROUP BY, HAVING, aggregate functions (SUM, AVG).
- Multi-level summarization techniques.

4. Window Functions

- ROW_NUMBER, RANK, DENSE_RANK with OVER clause.
- Partitioning for running totals and moving averages.





Course Curriculum

Module 6: Database Administration

1. User Management

- Creating accounts, granting/revoking privileges.
- Security best practices for analytical databases.

2. Backup & Recovery

- Full/incremental backups with mySQLdump.
- Restoring databases from backups.

3. Query Optimization

- EXPLAIN for performance analysis; indexing strategies.
- B-tree, hash, and full-text indexes.

4. Server Configuration

- Tuning MySQL parameters for performance.
- Monitoring via slow query logs.

Module 7: SQL Advanced Features

1. DDL

- CREATE, ALTER, DROP for schema management.

2. DML

- INSERT, UPDATE, DELETE for dataset maintenance.

3. TCL

- Transaction control: COMMIT, ROLLBACK, SAVEPOINT.

4. DCL

- Access control with GRANT and REVOKE.





Course Curriculum

Module 8: SQL Objects

1. Views

- Creating virtual tables for simplified access.

2. Stored Procedures

- Writing reusable code blocks for repetitive tasks.

3. Functions & Triggers

- User-defined functions (UDFs); automating actions.

4. CTEs & Temp Tables

- Common Table Expressions; temporary table usage.

Module 9: Real-World Applications

1. Case Studies

- Sales/finance database designs; best practices.

2. Capstone Project

- Design, implement, and optimize a business-scenario database.

Module 10: Assessment and Certification

1. Final Assessment Test

- Practical and Theoretical Coverage

2. Certification





Course Curriculum

Advance Excel for Data analytics and visualization

Module 1: Introduction to Excel

1. Getting Started with Excel

- Introduction to Excel and its Interface
- Workbook, Worksheets, and Navigation

2. Basic Operations

- Exploring Excel Ribbons and Basic Short - cuts
- Creating, Saving, and Opening Excel Files

Module 2: Data Handling in Excel

1. Understanding Data Types in Excel

- Overview of Different Data Types (Text, Numbers, Dates, etc.)
- Identifying and Formatting Data Types

2. Data Entry and Modification

- Entering, Editing, and Modifying Data in Cells
- Using Autofit for Column and Row Adjustments, Deleting, and Replacing Data

3. Handling Duplicates and Null Values

- Identifying and Removing Duplicates
- Dealing with Null or Missing Values

4. Smart Data Entry Techniques

- Leveraging Excel's Predictive Entry Features
- Using Auto Fill and Flash Fill for Efficient Data Entry

5. Enhancing Data Visibility

- Freezing Panes for Easy Navigation
- Using Text-to-Columns
- Access control with GRANT and REVOKE.





Course Curriculum

Module 3: Essential Excel Functions

1. Understanding Formulas and Functions

- Difference Between Formulas and Functions
- Using Arithmetic and Logical Operators for Basic Calculations

2. Mathematical and Statistical Functions

- SUM,AVERAGE,MIN,MAX
- COUNT,COUNTA,COUNTIF,COUNTIFS

3. Logical Functions

- IF,AND,OR,NOT
- Nested IF Statements for Advanced Logic

4. Text Functions

- CONCAT,TEXTJOIN,LEFT,RIGHT,MID
- LEN,TRIM,SUBSTITUTE,FIND,SEARCH

Module 4: Data Manipulation Techniques

1. Sorting and Filtering

- Basic Sorting and Custom Sorting
- Using Filters for Data Segmentation

2. Conditional Formatting

- Highlighting Cells Based on Rules
- Creating Custom Rules

3. Data Validation

- Setting Up Input Restrictions
- Creating Drop-down Lists

4. Working with Dates and Times

- Date and Time Functions
- DATE,TODAY,NOW,DAY,MONTH,YEAR,DATEDIF





Course Curriculum

Module 5: Data Visualization in Excel

1. Creating Charts and Graphs

- Column, Bar, Line, and Pie Charts
- Scatter Plots and Bubble Charts
- Combo Charts

2. Customizing Charts

- Adding Data Labels, Legends, and Titles
- Formatting Chart Elements
- Using Sparklines for Quick Visualization

Module 6: Working with PivotTables and PivotCharts

1. Introduction to PivotTables

- Creating and Modifying PivotTables
- Using Rows, Columns, Filters, and Values
- Grouping Data in PivotTables

2. Advanced PivotTable Features

- Calculated Fields and Items
- Filtering and Slicers
- Using Timelines for Date Analysis

3. PivotCharts

- Creating and Customizing PivotCharts
- Integrating PivotTables with PivotCharts

Module 7: Data Analysis Tools in Excel

1. Descriptive Statistics

- Using Data Analysis ToolPak
- Generating Summary Statistics (Mean, Median, Mode, Standard Deviation, etc.)





Course Curriculum

2. Data Analysis and Forecasting

- Linear Regression and Trendlines in Charts
 - Creating Forecast Sheets for Predictions
-

Module 8: Advanced Formulas and Functions

1. Lookup and Reference Functions

- VLOOKUP, HLOOKUP, XLOOKUP
- NDEX and MATCH

2. Nested Functions

- Combining Multiple Functions for Advanced Calculations

3. Error Handling

- Handling Errors with IFERROR and IFNA
-

Module 9: Advanced Data Handling using Power Query

1. Power Query and Power Pivot

- Introduction to Power Query
 - Importing, Transforming, and Cleaning Data
-

Module 10: Dashboarding and Reporting

1. Creating Interactive Dashboards

- Adding Data Labels, Legends, and Titles
- Formatting Chart Elements
- Using Sparklines for Quick Visualization





Course Curriculum

2. Data Storytelling

- Designing Dashboards for Effective Communication
 - Using Data to Tell a Compelling Story and Drive Insights
-

Module 11: Real-World Applications and Projects

1. End-to-End Excel Project

- Data Cleaning and Transformation
- Using Functions and Visualizations
- Creating Dashboards and Reports

2. Domain-Specific Applications

- Financial Budgeting and Forecasting
 - Sales and Marketing Analytics
 - Inventory and Operations Management
-

Module 12: Excel Tips, Tricks, and Best Practices

1. Productivity Tips

- Advance Keyboard Shortcuts
- Customizing the Quick Access Toolbar

2. Best Practices

- Organizing Workbooks for Readability
 - Avoiding Common Excel Errors
-

Module 13: Hands-On Projects

1. Project

- Sales Performance Analysis
 - Financial Data Visualization
 - Customer Insights Dashboard
-





Course Curriculum

Data Analytics & Visualization with Power BI

Module 1: Introduction to BI Concepts and Power BI

1. Understanding Business Intelligence

- Introduction to Business Intelligence
- Overview of BI Tools
- The BI Lifecycle
- BI Concepts in Decision Making

2. Introduction to Power BI

- What is Power BI?
- Why Power BI?
- Power BI Desktop vs Power BI Service vs Power BI Mobile
- Benefits and Applications

Module 2: Setting Up Power BI

1. Installation and Configuration

- System Requirements
- Installing and setting up Power BI Desktop

2. Getting Started with Power BI

- Power BI Interface Overview
- Saving and Exporting Workbooks

3. Connecting to Different Data Sources

- Connecting to a CSV file
- Connecting to an Excel file
- Getting Data from all files in a Folder
- Getting Data from other sources such as XML file and Database
- Difference between Loading Data and Transforming Data





Course Curriculum

Module 3: Data Transformation using Power Query Editor

1. Introduction to Power Query Editor

- Exploring Ribbons in Power Query Editor
- Transform Column Vs. Add Column

2. Cleaning and Shaping Data

- Handling Missing and Duplicate Data
- Split and Merge Column Tools
- Extract and Replace Values Tools
- Pivoting and Unpivoting in Power Query

3. Merging and Appending Queries

- Appending Queries in Power Query
- Merging Queries in Power Query

4. Transformation Techniques

- Text Transformation Tools
- Number Transformation Tools
- Date and Time Transformation tools
- Conditional Columns

Module 4: Data Modeling in Power BI

1. Building Data Models

- Understanding Tables and Model Relationships
- Facts and Dimension Tables
- Star Schema Vs. Snowflake Schema
- Cardinality and Cross-Filter Directions





Course Curriculum

Module 5: Data Visualization Basics

1. Creating Basic Visualizations

- Bar Charts, Line Charts, and Pie Charts
- Tables, Matrix, and Cards
- Slicers and Filters
- Map Visualizations (Basic and Filled Maps)

2. Customization

- Formatting Visuals
- Conditional Formatting
- Sorting and Filtering Data in Visuals

Module 6: DAX (Data Analysis Expressions)

1. Basic DAX

- Introduction to Dax and Syntax
- Types of Operators and Functions
- Creating New Columns and New Measures
- Using Explicit Measures to Create New Measures

Module 7: Advanced Visualization Techniques

1. Advanced Visuals

- Tree Maps, Waterfall Charts, and Funnel Charts
- Gauge Charts and KPI Indicators
- Ribbon Charts and Scatter Plots
- Forecasting and Advance analytics

2. Advanced Interactivity

- Drill-Down and Drill-Through Features
- Using Tooltips for Additional Insights
- Using of Filters and Slicers





Course Curriculum

Module 8: Dashboards and Reports

1. Creating Dashboards

- Designing Interactive Dashboards
- Best Practices for Dashboard Layout and Design
- Using Visual Interactivity to Enhance Storytelling
- Adding Page Navigator and Bookmarks

2. Publishing and Sharing

- Publishing Reports to Power BI Service
- Sharing Dashboards with Teams and Organizations

Module 9: Case Studies and Real-World Applications

1. End-to-End Project

- Data Extraction, Transformation, and Modeling
- Visualization and Dashboard Creation
- Publishing and Sharing Insights

Module 10: Hands-On Projects

1. Project

- Sales Performance Analysis

2. Project

- Financial Data Visualization

3. Project

- Customer Insights Dashboard





Course Curriculum

Data Analytics & Visualization with Tableau

Module 1: Introduction to BI Concepts and Tableau

1. Understanding Business Intelligence

- Introduction to BI
- Overview of BI Tools
- Role of BI in Decision Making
- Understanding The Analytical Workflow in Every Business

2. Introduction to Tableau

- What is Tableau?
- Why Tableau?
- Tableau Product Suite Overview
- Benefits and Applications

Module 2: Setting Up Tableau

1. Installation and Configuration

- System Requirements
- Installing Tableau Desktop/Public

2. Getting Started with Tableau

- Tableau Interface Overview
- Connecting to Different Data Sources
- Saving and Exporting Workbooks

Module 3: Data Integration Techniques

1. Combining Data

- Relationships in Tableau
- Joins: Types and Use Cases
- Unions for Merging Data





Course Curriculum

2. Understanding Logical and Physical Layers

- Key Differences
 - Use Cases for Each
-

Module 4: Data Categorization and Management

1. Data Types and Formats

- String, Numeric, Date, and Boolean
- Changing Data Types

2. Dimensions and Measures

- Discrete vs Continuous Fields
 - Configuring Data Pane
-

Module 5: Creating Fundamental Charts

1. Basic Visualization Techniques

- Bar Charts
 - Line Charts
 - Scatter Plots
-

Module 6: Enhancing Visualizations

1. Customization with Marks Card

- Colors, Shapes, and Sizes
- Adding Labels and Tooltips
- Interactive Highlighting





Course Curriculum

Module 7: Advanced Visualization Techniques

1. Specialized Charts

- Treemaps and Heatmaps
- Gantt and Bullet Charts

2. Geospatial Visualizations

- Geographic Maps and Custom Geocoding
- Heat Maps and Density Maps

3. Advanced Multi-Axis Charts

- Dual-Axis and Combined Visualizations

Module 8: Organizing and Filtering Data

1. Grouping and Sorting

- Creating Groups
- Manual and Field-Based Sorting

2. Data Filtering Techniques

- Applying Filters to Visualizations
- Context and Dimension Filters

Module 9: Advanced Data Analysis

1. Calculated Fields and Functions

- Creating Custom Calculations
- Using Logical, String, and Date Functions

2. Table Calculations

- Quick Calculations (Running Totals, Percentages)
- Customizing Table Calculations

3. Analytics Tools

- Reference Lines and Forecasting
- Clustering and Trend Analysis





Course Curriculum

4. Dynamic Analysis

- Working with Sets
 - Creating Custom Parameters
-

Module 10: Building Dashboards and Stories

1. Dashboard Design Fundamentals

- Best Practices for Layouts
- Using Filters and Actions for Interactivity

2. Storytelling with Tableau

- Combining Dashboards into Stories
 - Adding Captions and Narrative Elements
-

Module 11: Hands-On Projects

1. Project

- Sales Performance Analysis

2. Project

- Financial Data Visualization

3. Project

- Customer Insights Dashboard
-

Module 12: Assessment and Certification

1. Final Assessment Test

- Practical and Theoretical Coverage

2. Certification





Course Curriculum

Advanced Data Analytics with Python Libraries

Module 1: Python Fundamentals

1. Introduction to Python Programming

- Overview of Python Programming
- Basic Syntax, Variables, and Data Types

2. Core Python Concepts

- Control Structures: Conditionals and Loops
- Functions, Modules, and Script Execution

Module 2: Introduction to Python Visualization and Environment Setup

1. Python for Visualization

- Python for Visualization: An Overview
- Key Python Libraries for Data Visualization

2. Environment Setup

- Installing Python and Setting Up Jupyter Notebook
- Environment Setup on Windows, macOS, and Linux

Module 3: Machine Learning Basics

1. Introduction to Machine Learning

- What is machine learning and why does it matter?
- Supervised vs. unsupervised learning

2. A Glimpse into Model Building

- Demonstration of a simple classification model (e.g., logistic regression)
- Overview of basic evaluation metrics like accuracy and ROC curve





Course Curriculum

Module 4: Data Analysis with Pandas

1. Introduction to pandas

- Overview of Pandas
- Understanding DataFrames & Series

2. Working with External Data Sources

- Importing / Exporting DataFrames (CSV, Excel, JSON)
- Saving cleaned Data for Future Analysis

3. Data Exploration and Cleaning

- Loading & Summarizing Datasets
- Handling Missing & Duplicate Data

4. Data Manipulation and Transformation

- Filtering, Sorting, Ranking & Renaming Data
- Data Type Conversion & Pivot Tables

5. Advanced Data Manipulation Techniques

- Merging, Joining & Concatenating Data Frames
- Grouping, Aggregating & Multi-Indexing

6. Exploratory Data Analysis (EDA) with Pandas

- Descriptive Statistics & Data Distribution Analysis
- Correlation & Covariance

7. Cancer Data Analysis Case Study

- End-to-End Case Study: From Data Cleaning to Visualization
- Creating Dashboards from the Cancer Dataset

8. Hands-On Projects

1. Project

- Analysing Patient Survival Rates in the Cancer Dataset

2. Project

- Visualizing Cancer Incidence and Mortality Statistics





Course Curriculum

Module 5: Data Visualization with Matplotlib

1. Introduction to Matplotlib

- Overview, Installation & Setup
- Basic Plotting with Matplotlib

2. Customizing Plots

- Titles, Axis Labels, Legends & Annotations
- Setting Axis Limits & Date/Time Formatting

3. Figures, Axes, and Advanced Plot Types

- Managing Multiple Plots & Subplots
- Advanced Visuals: Histograms, Box Plots, Heatmaps, 3D Plotting

4. Visualization with Annotations and DataFrames

- Text Annotation Techniques
- Direct DataFrames Visualization (line, bar, and pie charts)

5. Interactivity and Animation

- Creating Simple Animations
- Interactive Plotting with Widgets (Adding Sliders, Buttons)

6. Best Practices for Effective Visualizations

- Choosing the Right Plot & Simplifying Visuals
- Clear Labelling, Legends & Color Schemes

7. Case Studies and Real-World Applications

- End-to-End Visualization Projects
- Domain-Specific Applications

8. Hands-On Projects

1. Project

- HR Data Plotting

2. Project

- Real-Time Data Monitoring with Animations





Course Curriculum

Module 6: Advance Visualization with Seaborn

1. Introduction to Matplotlib

- Overview, Built-in Themes & Color Palettes
- Statistical Visuals Support

2. Basic Plotting with Seaborn

- Line, Bar, Histogram, Scatter
- Data Exploration & Trend Analysis

3. Statistical Visualization Techniques

- Distribution Visuals: Hist, KDE, Rug
- Variable Relationships: Pair & Joint Plots

4. Categorical Data Visualization

- Categorical Displays: Strip, Box, Violin
- Swarm Plots & Bar Plots

5. Advanced Visualization Techniques

- Heatmaps, Cluster Maps & Hierarchical Clustering
- Multi-Plot Grids: Pair & Facet

6. Customization and Aesthetics in Seaborn

- Themes, Plot Styles & Aesthetic Adjustments
- Titles, Axis Labels, Legends & Figure Size

7. Integration with pandas and Data Analysis

- Direct DataFrames Visualization
- Data Aggregation Integration & EDA

8. Hands-On Projects

1. Project

- Titanic Survival Analysis

2. Project

- Financial Dataset Visualization





Course Curriculum

Module 7: Scientific Computing and Visualization with NumPy

1. Introduction to NumPy

- Overview & Key Features
- Installation and Setup

2. Numpy Basics

- Arithmetic and Mathematical Operations (sum, mean, etc.)
- Indexing, Slicing, and Subarrays

3. Numpy Arrays

- Arrays vs Python Lists
- Creating 1D/2D/Multi-Dimensional Arrays

4. Data Preparation with NumPy

- Random Data Generation (np.random)
- Reshaping, Resizing, Broadcasting

5. Mathematical Functions

- Functions, exponents, logarithms
- Linear algebra (dot product, matrix multiplication)

6. Advanced Indexing

- Boolean indexing & Fancy indexing
- Conditional selection (using np.where)

7. Case Studies and Real-World Applications

- End-to-End Visualization Projects
- Domain-Specific Applications

8. Hands-On Projects

1. Project

- Analysing Patient Survival Rates in the Cancer Dataset

2. Project

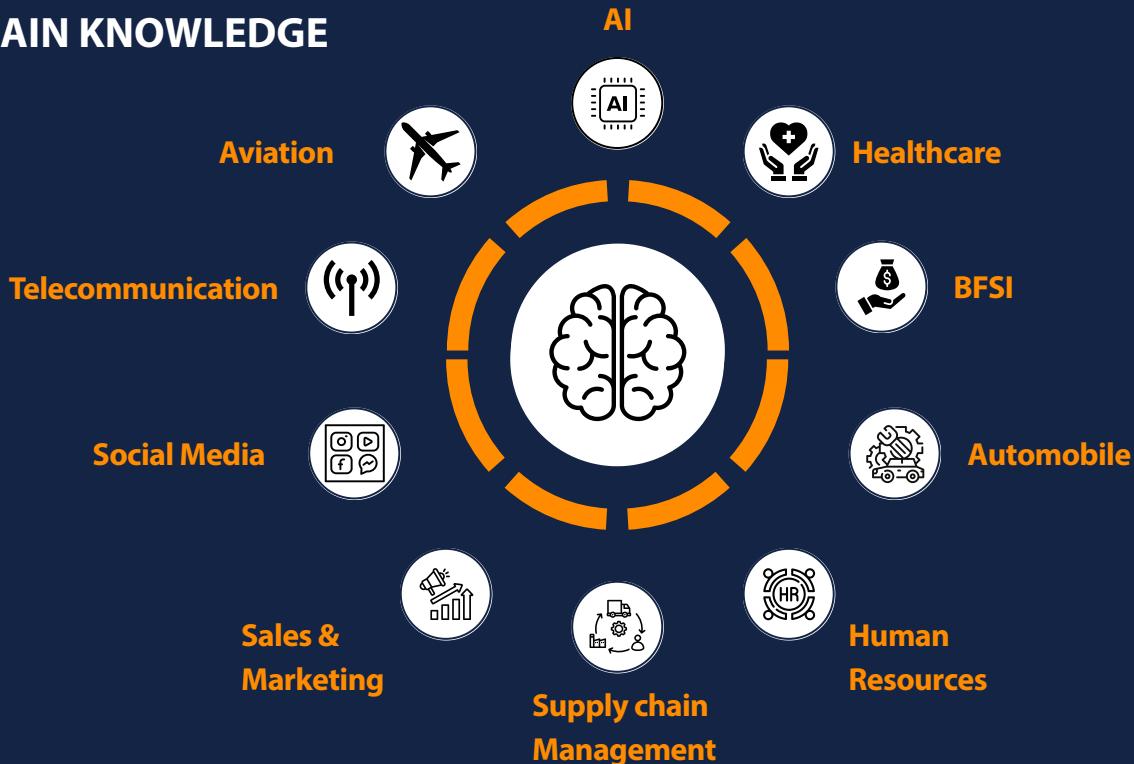
- Visualizing Cancer Incidence and Mortality Statistics





Real-Time Projects

DOMAIN KNOWLEDGE



1 Domain:BFSI 

Customer Churn Prediction in Retail Banking

This project involves analyzing customer transaction and engagement data to predict the likelihood of customer churn in a retail banking setting. The goal is to identify key behavioral patterns and risk factors contributing to customer attrition, enabling the bank to proactively implement retention strategies.

Data Analytics, Visualization, SQL, Domain Knowledge (BFSI)

2 Domain: Media 

Audience Engagement Analysis for a Digital Media Platform

This project involves analyzing user interaction data (page views, time spent, bounce rate, shares, etc.) across different content types on a digital media platform (like a news website or blog). The goal is to identify what type of content drives the most engagement and how user behavior varies by time, device, and geography.

Data Analytics, Excel, SQL, Power BI, Domain Knowledge (Media)





Real- Time Projects

3

Domain: Transportation



Peak Hour Traffic & Ridership Analysis for Public Transport

Analyze ridership or ticketing data from a city's public transport system (bus, metro, or train) to identify peak travel hours, high-demand routes, and usage trends over time (daily, weekly, seasonal). The goal is to help in resource planning and service optimization.

Logistics analytics, Predictive analytics, Tableau, Python

4

Domain: Healthcare



Hospital Resource Utilization and Patient Analysis

This project involves analyzing data on hospital resource usage — such as bed occupancy, equipment usage (e.g., ventilators), or staff shifts — over a certain period. The goal is to identify trends in peak resource demand, underutilization, and opportunities for better planning and allocation.

Healthcare analytics , R Natural Language Processing, Power BI

5

Domain: HR



Employee Attrition Trend Analysis

This project focuses on analyzing historical employee data to identify patterns in attrition (resignations, retirements, etc.) over time. The analysis includes factors like department, tenure, age, job role, and exit reasons to support HR in understanding turnover trends and planning retention strategies.

HR analytics, Predictive modeling Excel, SQL

6

Domain: Marketing



Campaign Performance and Customer Behavior Analysis

Analyze data from recent marketing campaigns (email, social media, ads) to evaluate their effectiveness. Measure KPIs like open rates, click-through rates (CTR), conversion rates, and cost-per-acquisition (CPA). The goal is to understand which channels and campaigns yield the highest ROI.

Marketing analytics, Google Analytics Churn analysis, Regression analysis





Cinute Digital Pvt. Ltd. Our Trainers



SHOEB SHAIKH

HEAD - LEARNING & DEVELOPMENT
SR. TEST AUTOMATION ENGINEER

Shoeb Shaikh is a seasoned Software Testing and Data Science expert and a mentor with over 13 years of experience in the field.



VAIBHAV KAKADE

QUALITY ANALYSIS ENGINEER

Experienced Software Test Engineer with proficient knowledge in Manual Testing, Defect Tracking/Reporting, DBMS and API Testing.



REHMAT SHAIKH

DATA SCIENCE TRAINER

Rehmat Shaikh is a skilled Data Science Trainer with 3+ years of experience, mentoring learners in Python, Machine Learning, and tools like Power BI, Tableau, SQL, and Pandas.



Cezzane Khan

AI & DATA SCIENCE ENGINEER

Cezzane is an experienced Data Science Trainer with over three years of expertise, guiding students in AI, Machine Learning, DL and utilizing tools such as Power BI, SQL and Libraries.





Cinute Digital Pvt. Ltd. Student Testimonial

Arun Venu Panickar



It is a great institute to learn software testing. and our mentor Shoeb Sir is a great person, he helps you to understand concepts in a simple manner. Thank you.



Faiz Khan



Everything about this course is great! From the comprehensive content to the engaging delivery, it's been an enlightening journey.



Kishore Jha



This course is designed in an efficient and effective manner. The instructor is excellent and under his guidance I was able to learn a lot of new things.



Krutika Penkar



I completed manual testing certification course from Cinute Digital. The course is well organized. Thank you Cinute.



Ragini Kumari



Best training institute for learning. It has the best skilled faculty in my experience and they have placed me in a good company.



Dakshali Merya



The instructor is highly skilled and the concepts are well comprehended.



Some Of Our Reviews

Justdial

4.8 ★★★★★

Sulekha

5.0 ★★★★★

Google

4.8 ★★★★★



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Program**

05

**Advanced Data
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Python Libraries**



04

**Data Analytics &
Visualization with
Tableau**

03

**Data Analytics &
Visualization with
Power BI**



02

**Advance Excel for
Data analytics and
visualization**

01

**DBMS using
MySQL**



START





About the Placement Team

At Cinute Digital Pvt. Ltd., our Placement Team transforms your skills into career success. Comprised of industry experts and career coaches, we craft personalized strategies to build standout portfolios, optimize resumes and profiles, and connect you with top employers, including Test Leads and Test Managers. Our tailored interview prep and industry insights ensure you secure your dream role. Trust us to guide your journey to professional success.

About the Placement-Head



At **Cinute Digital Pvt. Ltd.**, we have "**Ashish Shetty**" as our Placement Head, a dynamic leader transforming dreams into thriving careers. With unparalleled expertise and an unwavering commitment to placement excellence, He is the cornerstone of our mission to shape your professional future and propel you into the heart of the competitive tech industry.

He drives our placement strategy by crafting standout portfolios, optimizing resumes and profiles on platforms like Naukri, Indeed, Foundit, and LinkedIn, and building a robust professional network. By connecting you with working professionals, Test Leads, and Test Managers, he opens doors to mentorship and insider opportunities. His expert interview preparation equips you to crack the toughest interviews and secure your dream job. Under Ashish Shetty's visionary leadership at Cinute Digital Pvt. Ltd., you're not just prepared—you're unstoppable.





Cinute Digital Pvt. Ltd. Placement Program



Craft a Winning Portfolio:

Build a standout portfolio and network to showcase your skills and projects.



Polish Your Resume:

Our experts will update your resume with the latest skills and projects.



LinkedIn Profile Optimization

Boost your professional LinkedIn profile by adding your certifications on LinkedIn.



Expand Your Reach:

Update your profiles on job portals like Naukri, Indeed, and Foundit.



Interview Preparatory Sessions From Day 1

We provide intensive interview preparation right from Day 1 to prepare candidates for interviews.



Ace Your Interviews:

Industry experts will conduct a SWOT analysis and give feedback on your interview performance, focusing on areas for improvement.



Launch Your Career Journey:

Get our support to secure your ideal role and kickstart your professional path.





Placement Drives at Cinute Digital Pvt. Campus





Our Students Who Have Cracked Their Dream Career In

Tech Mahindra
Dakshali Merya

accenture
Sheetal Singh

eClerx
Shrikanth Suri

JM FINANCIAL
Kartik Bomble

K
Bhagyesh Mahadik

testriq
Latesh Kamble

testriq
Tejal More

i-XL Technologies
Rajvardhan Desai

ALIF MANAGEMENT SERVICES PVT LTD
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ARYAN TECHNOLOGIES
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Ashwini Badgujar

Rendered IDEAS
Faiz Khan

XR
Shrey Gupta

And many more<





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Company

FOR ANY QUERIES, PLEASE CONTACT US



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