TECHTAN.

...where the grown and classy do tech.

TECHTAN Course Brochure

2024

TECHTAN.

MISSION AND VISION

Mission
Empowering individuals with tailored tech education in a sophisticated environment. We foster excellence, integrity, and empowerment, guiding learners to thrive in the digital era with personalized attention and industry expertise.

Vision

To be the premier destination for classy tech education, inspiring lifelong learners to unlock their full potential and lead with confidence in the ever-evolving world of technology.

CORE VALUES

We uphold the highest standards of integrity, transparency, and ethical conduct in all our interactions, building trust with our clients, partners, and community through honesty, accountability, and respect.

We strive for excellence in tech education, delivering high-quality programs and services that exceed expectations, foster innovation, and empower individuals to achieve their goals in the digital realm.

We foster a culture of collaboration, teamwork, and inclusivity, valuing diverse perspectives and leveraging collective strengths to drive innovation, foster creativity, and achieve shared goals in the tech community.

We believe in the power of education to empower individuals and transform lives. We empower learners to unlock their full potential, embrace lifelong learning, and thrive in the digital age.

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Embrace the elegance of luxury, and the power of perpetual learning in tech. In our journey, we fuse opulence with expertise, crafting a legacy where innovation meets refinement.

SEGUN

DATA ANALYTICS

1: Introduction to Data Analytics and Excel

- Understanding the fundamentals of data analytics
- Introduction to Excel for data analysis
- Importing and manipulating data in Excel

2: Excel Functions and Formulas

- Exploring advanced Excel functions for data analysis
- Using formulas for data cleaning and transformation
- Performing calculations and data summarization in Excel

3: Data Visualization in Excel

- Creating charts and graphs in Excel
- Applying formatting and design principles for effective data visualization
- Creating interactive dashboards in Excel

4. Introduction to Power BI
- Overview of Power BI and its capabilities
- Connecting to different data sources in Power BI
- Creating interactive visualizations and dashboards in Power BI

5: Data Modeling and DAX in Power BI

- Data modeling principles in Power BI
- Introduction to DAX (Data Analysis Expressions)
- Creating calculated columns and measures in Power BI

6: Advanced Data Analysis in Power BI

- Advanced visualizations and customization in Power BI
- Applying filters, slicers, and drill-through in Power BI
- Power BI data analysis tools (e.g., forecasting, clustering)

7: Introduction to SQL for Data Analytics

- Understanding relational databases and SQL concepts
- Querying and filtering data using SQL
- Joining tables and performing aggregations in SQL

8: Advanced SQL Queries and Data Manipulation

- Writing complex queries with subqueries and joins
- Data manipulation and transformation with SQL
- Indexing and optimizing SQL queries

9: Introduction to Python for Data Analysis

- Basics of Python programming language
- Importing and manipulating data using Python libraries (e.g., pandas, numpy)
- Data cleaning and preprocessing with Python

10: Data Analysis and Visualization with Python

- Exploratory data analysis using Python
- Creating visualizations using matplotlib and seaborn libraries
- Statistical analysis and data insights with Python

11: Data Storytelling and Reporting

- Effective data storytelling techniques
- Designing compelling reports and presentations
- Presenting insights and recommendations from data analysis

Week 12: Data Analytics Project and Capstone

- Applying the skills learned throughout the course to a real-world data analytics project
- Developing a comprehensive data analysis solution using Excel, Python, SQL, and Power BI
- Presenting the project findings and outcomes

TECHTAN

About us

At Techtan, we understand that the digital landscape is ever-evolving, and navigating it can be daunting. That's why we've created a tech hub designed to empower individuals with the skills and knowledge needed to thrive in today's digital era. We provide top-notch tech education in a clean, calm, and classy atmosphere. We believe that learning should be an enriching experience, which is why we've curated a team of expert instructors who are passionate about sharing their knowledge and guiding learners through their tech journey with personalized attention and support.

ADDRESS

No. 7 Umuechem Street, D/Line, Off Olu-Obasanjo Bypass, behind Energymatic Filling Station, Port Harcourt, Nigeria, 500261