**UPTRAXTECH ACADEMY.**

**CURRICULUM FOR DATA ANALYTICS (16 WEEKS).**

**WEEK 1: VERSION CONTROL SYSTEM (VCS)**

* Git and Github

**WEEK 2: INTRODUCTION TO DATA ANALYTICS.**

* Data analysis/Data Science
* Business Analyst Vs Data Analyst
* Tools for Data analysis

**WEEK 3-5: INTRODUCTION TO MICROSOFT EXCEL**

* Excel Basics
* Excel Power Query
* Excel Formulas and Conditional Formatting
* Pivot Tables in Excel
* Power Pivot
* Visualizations using Excel.
* Projects in Excel

**WEEK 6-7: INTRODUCTION TO TABLEAU**

* Charts in Tableau
* JOINS in Tableau
* Parameters in Tableau
* Data Blending in Tableau
* Tableau Dashboard
* Tableau Projects

**WEEK 8-9: INTRODUCTION TO MS SQL**

* SQL basics
* Creating Tables using MS SQL
* SQL Data Exploration
* SQL Keywords
* CASE Functions

**WEEK 10-11: Introduction to Power BI**

* Power BI installation and basic visualization
* Power Query
* DAX in Power BI
* Relationship
* Conditional Formatting
* Drill Up/Drill Down
* Bin/List
* Projects

**WEEK 12-16: INTRODUCTION TO PYTHON PROGRAMMING LANGUAGE.**

* Introduction
* Python Basics, Variables, Data Types
* Control Flow
* Functions
* Pandas, Numpy, Seaborne, Matplotlib.pyplot, Plotly
* Data Analysis Projects
* Building of Portfolios