

Diploma in Data Analytics

with AI Gen

Duration: 6 Months

1. Core And Advanced Excel

☞ Mathematical Functions

SUM | SUMIF | SUMIFS | COUNT | COUNTA | COUNTBLANK | COUNTIF |
COUNTIFS | AVERAGE | AVERAGEA | AVERAGEIF | AVERAGEIFS | SUBTOTAL |
AGGREGATE | RAND | RANDBETWEEN | ROUNDUP | ROUNDDOWN | ROUND |
SUMPRODUCT | MOD | SQRT | POWER | FACT | CONVERT | ROMAN

☞ Text Functions

CHAR | CLEAN | CODE | CONCATENATE | FIND | SEARCH | SUBSTITUTE | REPLACE |
LEN | RIGHT | LEFT | MID | LOWER | UPPER | PROPER | TEXT | TRIM | VALUE

☞ Date & Time Functions

DATE | DAY | MONTH | YEAR | EDATE | EOMONTH | NETWORKDAYS | WORKDAY |
WEEKNUM | WEEKDAY | HOUR | MINUTE | SECOND | NOW | TODAY | TIME

☞ Logical Functions

AND | OR | IF | IFERROR | NOT | NESTED IF

☞ Lookup & Reference Functions

VLOOKUP | DOUBLE VLOOKUP | HLOOKUP | INDEX | MATCH | OFFSET | INDIRECT |
ADDRESS | COLUMN | COLUMNS | ROW | ROWS | CHOOSE | ARRAYS | CONCEPT IN
LOOKUP FORMULA'S

☞ Other Functions

PMT | FV | ISNA | ISBLANK | ISERR | ISEVEN | ISODD | ISLOGICAL | ISTEXT | MAX |
MIN and Other many functions.

☞ **Advanced Excel with AI - Integrating ChatGPT with Excel**

What is ChatGPT

How to Integrate ChatGPT in Excel

Practical Applications of ChatGPT in Excel

☞ **Excel Formula's with AI**

*Advanced Excel with AI refers to using artificial intelligence tools and features within Microsoft Excel to enhance data analysis, automation, and overall productivity.

*AI can be integrated into Excel through various methods, including built-in features.

*AI tools complex Excel formulas based on natural language prompts or even explain existing formulas.

Laxmi Nagar

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- ☞ Data Collection Method with Data Quality, Collaboration & Security Like Share Your Workbook on Share Drive with Quality
- ☞ Single/Multidimensional Analysis, Like Three Dimensional (3D) Tables
- ☞ Advanced Chart Technique, How to make Dynamic Charts, Bar Charts, Pie Charts, Scatter Chart, Line Chart, Column Chart, Speedometer Chart, Gantt Chart
- ☞ Sensitive Analysis Like Data Table, Manual What-If Analysis, Threshold Values, Goal Seek, One-Variable Data Table, Two-Variable Data Table
- ☞ Filters (Basic, Advanced, Conditional), Sort (Ascending, Descending, Cell/Font Color), Conditional Formatting, Data Validation, Group & Ungroup, Data split.
- ☞ Pivot Table and Charts, Import and Export data, Protect/Unprotect sheets/workbooks. Worksheet formatting and Print Display
- ☞ Report Development (Live Project)

2. MYSQL

- ☞ Introduction to Basic Database Concepts
- ☞ Introduction to SQL Server
- ☞ Introduction to SQL
- ☞ DDL and DML Statements
- ☞ Working with Queries (DQL)
- ☞ Aggregate Functions
- ☞ Joins and Set Operations
- ☞ Working with Constraints
- ☞ Implementing Views
- ☞ Data Control language (DCL)
- ☞ Writing Transact-SQL (T-SQL)
- ☞ Working with Stored Procedures
- ☞ Backup and Restore

3. Python

- ☞ Python- An Introduction
- ☞ Python Variables & Data Types
- ☞ Operators

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- ☞ Python Conditional Statements
- ☞ Python Looping Concept
- ☞ Python Control Statements
- ☞ Python Data Type Casting
- ☞ Python Number 9. Python String
- ☞ Python List
- ☞ Python Tuple
- ☞ Python Dictionary
- ☞ Python Sets
- ☞ Python Data & Time
- ☞ Python Function
- ☞ Module
- ☞ File Handling (Input/Output)
- ☞ Exception Handling
- ☞ OOPs Concepts
- ☞ Multithreading
- ☞ Python Mail Sending Program
- ☞ Regular Expression
- ☞ Database Connection
- ☞ Interacting with Networks
- ☞ GUI (Graphical User Interface)
- ☞ Python Web Scraping

4. MS Power-BI

- ☞ Learn to use the easiest Business Intelligence tool to create stunning reports and dashboards
- ☞ Learn how to connect multiple sources of data in Power BI
- ☞ Learn M-language user in Power BI
- ☞ Learn how to create advanced DAX measures and calculated columns for complex calculations.
- ☞ Learn how to use charts using visuals like column, line, pie, combo, Funnel, Gauges and KPIs to name a few.
- ☞ Learn to create powerful tables and matrix of reporting data.
- ☞ Learn how you can visualize that data in a meaningful way to revile

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insights into your business like never before.

- ☞ Learn how to turn data into insight and data into interactive visualizations to tell a story.
- ☞ Learn how to collaborate and share contents on Microsoft's Powerful platform.
- ☞ This hands-on course will prepare you to start your Data Analytics career

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