



Data Analytics Course Online

IPT Excel School

www.iptindia.com

Complete Working Professional Course

+91 8802579388

+918826828093



Trainer Profile



Online Live Trainer

From 2007 to Tilled
Sujit Kumar Singh
Founder of IPT Excel School

About Sujeet Sir

IPT Excel School is India's leading training institute offering live, hands-on courses in Advanced Excel, VBA Macros, Power BI, Python, Data Analysis, and more. Founded by industry expert Sujeet Sir, the school has been delivering high-quality, job-oriented training since 2007 through one-to-one and group online sessions.

I started working with Excel in 2003 and have over 20 years of hands-on experience. I've worked with more than 10 companies as an MIS Executive and VBA Developer, and currently serve as a Reporting Consultant for over 40 companies across India.

My goal is simple: to help you master Excel, VBA, Power BI, and data reporting with real-time industry examples. Every concept I teach is based on actual workplace scenarios, so you're not just learning Excel — you're learning how to solve real business problems. My Teaching Motto: "Don't work hard — work smart."

मेहनत तो गंधा भी करता है।

Our Courses

1. Advanced Excel with AI
- 2.VBA Macros Programming
- 3.Power BI
- 4.Tableau
- 5.Dashboard - Excel Power BI
- 6.SQL Query
- 7.Python Data Visualization



- Week -1 Excel Topic Showd be you Kow
- Week -2 Data Handing - Inbuild - AI and Pivot
- Week -3 Make Dashboard Help With Pivot
- Week -4 >300 Formulas / Function
- Week -5 Data Connection and Power Query



- AI Operators & AI Builders
- Data processing with AI
- Prompt writing technique for better output
- Agentic AI



- Week -1 **Basic Macros Programming**
- Week -2 Apply Conditions and Loop in VBA
- Week -3 Event / Function with Macros Programming
- Week -4 USERFORM
- Week -5 Connect Excel to Other Source



- Week -1 Start Power BI Dashboard Creation
- Week -2 Data Visualization
- Week -3 DAX Function and DAX Statements
- Week -4 Data Analysis and Visualization
- Week -5 Power BI Web Portal and Server



- Week -1 Start Tableau Dashboard Creation
- Week -2 Data Visualization
- Week -3 Data Visualization Calculations & Tableau Functions
- Week -4 Advanced Dashboard & Analytics
- Week -5 Tableau Server & Advanced Features



- Week -1 Start SQL Server & Basics
- Week -2 Data Filtering & Joins
- Week -3 Advanced SQL Queries
- Week -4 Data Manipulation & Functions
- Week -5 Advanced SQL & Automation



- Week -1 Python Basics for Data
- Week -2 Data Analysis with Pandas
- Week -3 Data Visualization Libraries
- Week -4 Advanced Visualization & Dashboard
- Week -5 Real Projects & Automation





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7. Python Data Visualization



15 to 25 Hours Live Online Classes

Topic Every Class 50 Minutes

- Week -1** Excel Topic Showd be you Kow
- Day -1 Data Selection, Data Dragging Tech and Shortcuts
 - Day -2 Calculation and Basic Excel Function
 - Day -3 Make Dashboard and Report Formats
 - Day -4 Advanced Paste Special
 - Day -5 Custom and Conditional Formatting

- Week 1 - Project**
Make Dynamic Attendance Format

Week -2 Data Handling - Inbuild - AI and Pivot

- Day -6 Protection , Shorting filter Data
- Day -7 Flash Fill , Analyze Data and Copilot AI
- Day -8 Basic Pivot Table
- Day -9 Calculation with Pivot Table
- Day -10 Power Pivot

- Week 2- Project**
Making Sort way for Manual Work
Automate Bio Matric Attendance

Week -3 Pivot Dashboard

- Day -11 Make 2 Dashboard from Helping Pivot Table
- Day -12 Charts use in Pivot Dashboard
- Day -13 Page Setup and Slicer and Timeline
- Day -14 Making Report using Shape Arts
- Day -15 Test with Dashboard Project

- Week 3- Project**
Making Dashboard from Real Time Data

Week -4 Formulas / Function

- Day -16 Complete IF Formulas - IF-IFS-AND-OR-IFERROR
- Day -17 Text and Date Time Formulas
- Day -18 ALL Lookup Formulas
- Day -19 Data Summery Formulas
- Day -20 Dynamic Array Formulas

- Week 4- Project**
Make Report in Single Formulas

Week -5 Data Connection and Power Query

- Day -21 Data Connection
- Day -22 Power Query
- Day -23 Data Validation and more
- Day -24 Final Project -1
- Day -25 Final Project -2

- Week 5- Project**
Certification Test





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Artificial Intelligence
Training and Certification
Beginner to Advanced

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with Subject Sir

Introduction
AI Operators & AI Builders
AI tools
Note book LM
Generating interview questions with AI
Generating Social Media content
Converting text data to video data
Google Gemini
Converting reports to insights
Data Visualization through AI
Using chat gpt as data analyst
Data processing with AI
Transforming data to graph

Prompt writing technique for better output
Manus AI
Difference between Chat gpt and Manus AI
Making Website through AI Agent
Deepseek AI
Deep Seek advantage over chat gpt
Model training behind deepseek
Deepseek for writing codes
Introduction to Generative & Agentic AI
Generative AI growth in tech
Prompt engineering in Gen AI
Limitations of Gen AI
Agentic AI

Automation and Autonomous Workflows
Agentic AI Systems
chat gpt vs world's first AI agent Manus
LLM, AI Workflows & AI Agents
LLM Model Training
Introduction to AI Workflow
Architecture of AI Agents
Working of AI workflows
Types of AI Agent
Single AI Agent
Multi AI Agent
Sequential Pattern
Hierarchical Pattern

Hybrid Pattern	Types of AI Agents	Goal Based AI Agent	Coding Assistant Agent:	Agentic applications
Parallel Pattern	Simple Reflex AI Agent	Utility Based AI Agent	E-commerce and Product Research AI	Final Project for Building AI Agent for free
Asynchronous Pattern	Model Based Reflex AI Agent	Learning Based AI Agent	Healthcare Assistant	Conclusion of AI course





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Excel VBA Macros Programming

Basic to Advanced

Expert Level Course

Week -1 Basic Macros Programming

- Day -1 Concept of VBA, VBA Macros Type , Recording Macros
- Day -2 Macros and Algorithm, Code Concept - Workbooks,sheets,Range
- Day -3 Formating,Style and Report Format Creation
- Day-4 File and Folder Handling Project
- Day-5 Report Format Automation Project

Week 1 - Project

4 Project in this week

Week -2 Apply Conditions and Loop in VBA

- Day -6 Data Type Declaration (Variables)
- Day -7 IF with Loop and and or case Else IF
- Day -8 For Loop , For Each Loop Do While Loop Nested Loop and IF
- Day -9 Multi Sheet / File Data Compilation Project
- Day -10 Sheet Form Project

Week 2- Project

3 Project in This Week

Week -3 Event / Function with Macros Programming

- Day -11 Make Auto Run Macros using Event Macros
- Day -12 Project with Event Macros
- Day -13 Make Formulas with VBA Function Tag
- Day -14 VBA In-Built Formulas
- Day -15 Make Advanced Formulas using with Function

Week 3 - Project

2 Project in This week

Week -4 USERFORM

- Day -16 Create Basic Form for Data Entry Form
- Day -17 All Tools in Userform
- Day -18 Make Data Filter Form
- Day -19 Make Mail Sending Form
- Day -20 Make Videos Player Userform

Week 4- Project

2 Project This Week

Week -5 Connect Excel to Other Source

- Day - 21 Charting and Dashboard Report Automation with VBA
- Day - 22 Pivot Automation with VBA
- Day - 23 Picture / Image Automation with VBA Macros
- Day - 24 Database Connectivity and Other Application with VBA
- Day - 25 E-Mail , PDF , NoteBook,MS Word , PPT Automation

Week 5- Project

2 Final Project





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MS Power BI - Dashboard Automation Data Analysis and Visualization

Week -1 Start Power BI Dashboard Creation

- Day -1 Introduction to Power BI , Installation of Power BI , Basic Components of Power BI
- Day -2 Power BI Desktop and Data Transformation, Import Data From ALL Source
- Day -3 Making Dashboard -1
- Day -4 Making Dashboard -2
- Day -5 Power Query for Data Transformation

Week 1 - Project

Make 2 Sales Dashboard

Week -2 Data Visualization

- Day -6 Data Visualization - ALL Charts and Page Layouts
- Day -7 Matrixes and Tables
- Day -8 KPI with Cards and Charts
- Day -9 Slicers and Map Visualizations
- Day -10 Shapes, Text Boxes, and ImagesCustom Visual

Week 2 - Project

Make 3 Dashboard

Week -3 DAX Function and DAX Statements

- Day -11 IF,AND,OF and Logicle Ops
- Day -12 Text Date Time Function
- Day -13 Filter , SUMX,MAXX,MINX all ALL Function
- Day -14 DAX Statements with Calucate Function
- Day -15 DAX Query And ALL Table Function

Week 3 - Project

Make 2 Dashboard

Week -4 Data Analysis and Visualization

- Day -16 Creating a Dashboard - Power BI Q&A - Power BI Embedded
- Day -17 Bookmarks and buttons
- Day -18 Dashboard -1
- Day -19 Dashboard -2
- Day -20 Dashboard -3

Week 4 - Project

Make 2 Dashboard

Week -5 Power BI Web Portal and Server

- Day -21 Creating a Dashboard on Web
- Day -22 Share Dashboard ALL type
- Day -23 Python Scripts in BI
- Day -24 R Script in BI
- Day -25 Advanced Analytics in Power BI

Week 5 - Project

Make 3 Dashboard





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Training and Certification

Beginner to Advanced

Beginner to Advanced



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Tableau - Dashboard Automation Data Analysis and Visualization

Week -1

Start Tableau Dashboard Creation

- Day -1 Introduction to Tableau, Installation, Tableau Interface
- Day -2 Connecting Data Sources (Excel, CSV, SQL)
- Day -3 Data Preparation & Data Types
- Day -4 Creating First Worksheet (Charts Basics)
- Day -5 Filters, Sorting, Grouping

Week 1 - Project

Make 2 Basic Dashboards

Week -2

Data Visualization

- Day -6 Charts (Bar, Line, Pie, Area, Maps)
- Day -7 Tables & Highlight Tables
- Day -8 KPI with Cards and Charts
- Day -9 Filters, Actions & Parameters
- Day -10 Formatting, Tooltips & Design Custom Visual

Week 2 - Project

Make 3 Dashboard

Week -3

Calculations & Tableau Functions

- Day -11 Calculated Fields Basics
- Day -12 String, Date & Number Functions
- Day -13 Aggregate Functions (SUM, AVG, MIN, MAX)
- Day -14 Logical Functions (IF, CASE)
- Day -15 Table Calculations & LOD Expressions

Week 3 - Project

Make 2 Dashboard

Week -4

Advanced Dashboard & Analytics

- Day -16 Dashboard Design Principles
- Day -17 Actions (Filter, Highlight, URL)
- Day -18 Story Points in Tableau
- Day -19 Dashboard -1
- Day -20 Dashboard -2

Week 4 - Project

Make 2 Dashboard

Week -5

Tableau Server & Advanced Features

- Day -21 Publishing Dashboard to Tableau Public/Server
- Day -22 Sharing & Embedding Dashboards
- Day -23 Tableau Prep Basics
- Day -24 Data Blending & Joins
- Day -25 Final Dashboard

Week 5 - Project

Make 3 Dashboard





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MS SQL Server 2025 - Query, Data Analysis and Database Management

Week -1 Start SQL Server & Basics

- Day -1 Introduction to SQL Server, Installation, SSMS Overview
- Day -2 Database, Tables, Data Types
- Day -3 SELECT Statement (Basic Queries)
- Day -4 WHERE Clause & Operators (=, >, <, BETWEEN, LIKE)
- Day -5 ORDER BY, DISTINCT, TOP

Week 1 - Project

Create **Student / Sales Database + Basic Queries**

Week -2 Data Filtering & Joins

- Day -6 AND, OR, NOT Conditions
- Day -7 Aggregate Functions (SUM, COUNT, AVG, MIN, MAX)
- Day -8 GROUP BY & HAVING
- Day -9 Joins (INNER, LEFT, RIGHT, FULL)
- Day -10 Self Join & Cross Join

Week 2 - Project

Build **Sales Analysis Report using Joins**

Week -3 Advanced SQL Queries

- Day -11 Subqueries (Single & Multiple Row)
- Day -12 EXISTS, IN, ANY, ALL
- Day -13 CASE Statement
- Day -14 Views Creation & Usage
- Day -15 Indexes Basics (Clustered & Non-Clustered)

Week 3 - Project

Create **Dynamic Reports using Views & Subqueries**

Week -4 Data Manipulation & Functions

- Day -16 INSERT, UPDATE, DELETE
- Day -17 String Functions (LEN, UPPER, LOWER)
- Day -18 Date Functions (GETDATE, DATEADD, DATEDIFF)
- Day -19 Conversion Functions (CAST, CONVERT)
- Day -20 NULL Handling (ISNULL, COALESCE)

Week 4 - Project

Build **Data Cleaning & Transformation Queries**

Week -5 Advanced SQL & Automation

- Day -21 Stored Procedures
- Day -22 User Defined Functions (UDF)
- Day -23 Triggers (INSERT, UPDATE, DELETE)
- Day -24 Transactions (BEGIN, COMMIT, ROLLBACK)
- Day -25 Performance Optimization & Query Tuning

Week 5 - Project

Create **End-to-End Database System (Mini Project)**





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Python - Data Visualization, Analysis and Dashboard Creation

Week -1

Python Basics for Data

- Day -1 Introduction to Python, Installation
- Day -2 Variables, Data Types, Operators
- Day -3 Lists, Tuples, Dictionaries
- Day -4 Conditional Statements (if, else)
- Day -5 Loops (for, while)

Week 1 - Project

Create Basic Data Processing Script

Week -2

Data Analysis with Pandas

- Day -6 Introduction to Pandas
- Day -7 Reading Data (CSV, Excel, SQ, SQL)
- Day -8 Data Cleaning (Null Values, Duplicates)
- Day -9 Filtering & Sorting Data
- Day -10 GroupBy & Aggregation

Week 2 - Project

Build Sales Data Analysis Report

Week -3

Data Visualization Libraries

- Day -11 Introduction to Matplotlib
- Day -12 Line, Bar, Pie Charts
- Day -13 Advanced Charts (Histogram, Scatter)
- Day -14 Introduction to Seaborn
- Day -15 Styling & Themes

Week 3 - Project

Create 5+ Charts Dashboard

Week -4

Advanced Visualization & Dashboard

- Day -16 Subplots & Multiple Charts
- Day -17 Interactive Charts with Plotly
- Day -18 Dashboard using Streamlit
- Day -19 Dashboard-1 (Real Dataset)
- Day -20 Dashboard-2 (Advanced)

Week 4 - Project

Build Interactive Dashboard App

Week -5

Real Projects & Automation

- Day -21 Automation with Python Scripts
- Day -22 Connecting SQL with Python
- Day -23 API Data Fetching
- Day -24 Data Export (Excel, CSV, Reports)
- Day -25 Final Project (End-to-End Dashboard)

Week 5 - Project

Create Professional Data Visualization Project

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Ariypur, Rajla, Kurhani, Muzaffarpur, Bihar-844120
+91 8802579388 , +91 8826828093 +91 9525256051

<https://iptindia.com/>

kumar@iptindia.com

