Data Analytics Course Online

IPT Excel School www.iptindia.com

Complete Working Professional Course

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19 YEARS EXPERIENCE



Online Live Trainer

Sujit Kumar Singh

Founder of IPT Excel SchooL

Trainer Profile — 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 ज्यादा भी करना है।

Our Courses

X 1 Advanced Excel with AI

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

VBA 2 VBA Macros Programming

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 Sourse

3 Power BI

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

+ 4 Tableau

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

KPI 5 Dashboard - Excel Power BI NEW

Level 1	Foundation: Dashboard Fundamentals, KPI Design (Days 1–5)
Level 2	Interactive Dashboards (Days 6–10)
Level 3	Professional MIS (Days 11–15)
Level 4	Department Dashboards (Days 16–20)
Level 5	Customer & Industry (Days 21–25)
Level 6	Advanced & Executive (Days 26–30)

SQL 6 SQL Query

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

Py 7 Python Data Visualization

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

AI AI

Week -1	AI Operators & AI Builders
Week -2	Data processing with AI
Week -3	Prompt writing technique for better output
Week -4	Agentic AI

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Complete Data Analysis Tools Classes



Sujeet Sir
Founder & Trainer - IPT Excel School

Advanced Excel & AI

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✓ Learn ✓ Practice ✓ Build Real Projects ✓ Get Certified ✓ Grow Your Career

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Week-1
Excel Foundations & Speed

Day-1	Excel Advanced Basics
	Advanced selection, shortcuts, workbook/file settings
Day-2	Advanced Formating
	Advanced Custin and Conditional Formatting
Day-3	Advanced Data Handling
	Copy/Paste, Paste Special, Data Protection
Day-4	Advanced Data Formating
	Custom and Conditional Formating
Day-5	Excel AI
	Flash Fill, Analyze Data, Excel built-in AI

Project 1
Clean & Formatted Data Entry Sheet using Tables & Named Ranges

Week-2 300 + Formulas
Formulas, Logic & Lookups

Day-6	Basic Formulas
	>100 Basic Formulas
Day-7	Logical Functions
	IF, IFS, AND, OR, XOR, IFERROR
Day-8	TEXT & DATE TIME
	ALL Text and Date Time Formulas Covered
Day-9	Lookup Method
	Vlookup,Match,Index,Offset,Xlookup,Filter with Tricks
Day-10	Advanced Formulas
	Array Formulas , LET,Hstak-Vstak and mre

Project 2
Live Data Report using Logic + Lookup + Dynamic Array Formulas

Week-3
Pivot Tables & Advanced Data Analysis

Day 11	Pivot Table Basics — Create, Group, Filter & Summarize
Day 12	Advanced Pivot Tables — Calculated Fields, Calculated Items & Custom Calc.
Day 13	Pivot Charts, Slicers & Timelines
Day 14	What-If Analysis — Goal Seek, Data Tables & Scenario Manager
Day 15	Formula Auditing, Error Checking, Trace Precedents & Dependents

Project 3
Sales / HR Analysis Report using Pivot Tables + What-If Analysis

Week-4
Dashboard & Professional Reporting

Day 16	Dashboard Design Principles, KPI Selection & Layout Planning
Day 17	Dashboard Building using Shapes, Icons, Controls & Interactive Elements
Day 18	Interactive Dashboards — Slicers & Multiple Pivot Tables
Day 19	Advanced Charts — Combo, Dynamic Charts, Sparklines & KPI Charts
Day 20	Real-Time / Live Data Dashboards + Dashboard Storytelling

Project 4
Complete Interactive Business Dashboard — Sales / HR / E-commerce

Week-5
Power Query, Power Pivot, DAX & AI

Day 21	Power Query — Importing, Cleaning & Transforming Data
Day 22	Power Query — Merge, Append, Multiple Files & Automated Preparation
Day 23	Power Pivot & Data Modeling — Relationships + DAX Fundamentals
Day 24	DAX Reporting + Microsoft Copilot / AI in Excel — Analysis, Formulas & Cleaning
Day 25	Final Capstone Project + AI-Assisted Reporting + Certification Test

Final Project
End-to-End Business Solution:
Raw Data → Power Query → Data Model → DAX → Dashboard → AI Insights

Advanced Excel
Formulas | Functions | Charts | Tables

Data Analysis
Cleaning | Transformation | KPIs

Power Query
Import | Clean | Merge | Append

Power Pivot & DAX
Modeling | Relationships | Time Intelligence

AI in Excel
Copilot | Automation | Insights

Cloud & Share
OneDrive | Teams

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Sujeet Sir

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Excel VBA Macros

Complete 5 Weeks Course

Automate • Analyze • Work Smarter

25 DAYS

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Week-1 VBA Macros Basic

Day 1	VBA Basics & Macro Concept
Day 2	Recording Macros with Editing
Day 3	Workbook, Sheets & Range Object
Day 4	File & Folder Handling with VBA
Day 5	Formatting, Style & Report Format

Week-2 Loops, Conditions & Events

Day 6	Formatting Tricks & Variables
Day 7	Simple IF, AND, OR & XOR
Day 8	Nested If & Select Case
Day 9	For, For Each & Do While Loop
Day 10	Do Until Loop & Loop Project

Week-3 Functions & UserForm

Day 11	VBA Functions (Custom Functions)
Day 12	Advanced Formulas with VBA
Day 13	String, Number & Date Functions
Day 14	Lookup Functions (VLookup, HLookup)
Day 15	UserForm Basics (Controls)

Week-4 Database Connectivity & Other Applications

Day 16	Database Connectivity (Access, SQL)
Day 17	Outlook & Gmail (Email Automation)
Day 18	Word & PDF Automation
Day 19	Web & Notepad Connectivity
Day 20	Other Applications (Charts, Pivot)

Week-5 5 Automation Projects

Day 21	Project 1 Auto Report
Day 22	Project 2 Data Entry Form
Day 23	Project 3 Bulk Email System
Day 24	Project 4 Dashboard Maker
Day 25	Project 5 Complete Solution

Expert Trainer Sujeet Sir | **Live Online Classes** | **Certification Provided** | **Lifetime Support**

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EXCEL DASHBOARD MASTERCLASS

Build Real Dashboards with Real Data for Real Business

30-DAY COURSE OUTLINE | DASHBOARD TOPICS ONLY

LEVEL 1 – FOUNDATION
Days 1 – 5 | Build Core Dashboard Skills

- DAY 1 – Dashboard Fundamentals, Data Structure & KPI Design — Sales Performance Dashboard
- DAY 2 – Product Sales & Product Profitability Dashboard
- DAY 3 – Branch & Regional Performance Dashboard
- DAY 4 – Customer Analysis & Segmentation Dashboard
- DAY 5 – Monthly Sales Trend & Seasonality Dashboard

LEVEL 2 – INTERACTIVE DASHBOARDS
Days 6 – 10 | Visuals, Slicers & Advanced Analysis

- DAY 6 – Sales Target vs Achievement Dashboard
- DAY 7 – Interactive Pivot Dashboard with Slicers & Timeline
- DAY 8 – Executive KPI Scorecard Dashboard
- DAY 9 – Marketing Campaign Performance Dashboard
- DAY 10 – Digital Marketing & ROI Dashboard

LEVEL 3 – PROFESSIONAL MIS
Days 11 – 15 | Finance, Operations & Inventory

- DAY 11 – Revenue & Expense Dashboard
- DAY 12 – Profit & Loss Dashboard
- DAY 13 – Budget vs Actual Dashboard
- DAY 14 – Receivables, Payables & Collection Dashboard
- DAY 15 – Inventory & Stock Ageing Dashboard

LEVEL 4 – DEPARTMENT DASHBOARDS
Days 16 – 20 | HR, Recruitment & Employee Analytics

- DAY 16 – Purchase & Supplier Performance Dashboard
- DAY 17 – HR Analytics Dashboard
- DAY 18 – Recruitment & Hiring Funnel Dashboard
- DAY 19 – Attendance & Workforce Productivity Dashboard
- DAY 20 – Payroll & Compensation Dashboard

LEVEL 5 – CUSTOMER & INDUSTRY
Days 21 – 25 | Service, Banking, E-Commerce & Logistics

- DAY 21 – Customer Service & Complaint Dashboard
- DAY 22 – Call Center & SLA Performance Dashboard
- DAY 23 – E-Commerce Sales & Returns Dashboard
- DAY 24 – Logistics & Delivery Performance Dashboard
- DAY 25 – Banking & Loan Collection Dashboard

LEVEL 6 – ADVANCED & EXECUTIVE
Days 26 – 30 | Healthcare, Education, Manufacturing & MIS

- DAY 26 – Hospital & Healthcare Operations Dashboard
- DAY 27 – Education / Institute Performance Dashboard
- DAY 28 – Manufacturing, Production & Quality Dashboard
- DAY 29 – Multi-Department MIS Dashboard
- DAY 30 – CEO Executive Dashboard — Final Capstone Project



40+ Real-World Dashboards | **Live Classes + Recording** | **Practical Projects & Certificate** | **Job-Oriented Training**

Not Do Hard Work. Do Smart Work.

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Power BI Developer 30 Days

Complete Enterprise Level Training

Build • Develop • Deploy • Automate • Grow

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19 YEARS EXPERIENCE



Power BI Developer
From Data to Decisions

Power BI

- Data Modeling
- DAX Advanced
- Power Query M
- Security & Gateway
- REST API & Embedded
- Deployment Pipeline

Sujeet Kumar Singh
Sujeet Sir 21 year Work Exp.

Live Classes

Week-1: Power BI Foundation & Data Preparation

Day-1	Power BI Architecture + Desktop
Day-2	Power Query & Data Transformation
Day-3	Power Query M + Query Folding
Day-4	Data Modeling + Star Schema
Day-5	Relationships + Date Table

Project: Sales Data Model

Week-2: DAX & Visualization

Day-6	DAX Fundamentals
Day-7	CALCULATE + Filter Context
Day-8	Advanced DAX
Day-9	Time Intelligence
Day-10	Advanced Visualization

Project: Management Dashboard

Week-3: Developer-Level Semantic Model

Day-11	Advanced Data Modeling
Day-12	DAX Optimization
Day-13	Performance Analyzer + DAX Studio
Day-14	Tabular Editor + Calculation Groups
Day-15	Dynamic Measures + Advanced KPIs

Project: Enterprise Semantic Model

Week-4: Power BI Service / Enterprise

Day-16	Workspace + Apps
Day-17	Gateway + Scheduled Refresh
Day-18	Incremental Refresh + Parameters
Day-19	RLS + Dynamic RLS + OLS
Day-20	Deployment Pipeline

Project: Dev → Test → Production

Week-5: Power BI Developer (Advanced Tools & Integration)

Day-21	REST API (Automation & Integration)
Day-22	Power BI Embedded (App Owns Data / User Owns Data)
Day-23	PBIP + Git + Azure DevOps (Version Control)
Day-24	Paginated Reports + Report Builder
Day-25	Python / R (Advanced)

Project: Final Developr Project

Week-6: New Advanced Modules (Enterprise & Future Ready)

Day-26	Bookmarks, Drillthrough Pages & What-if Parameters
Day-27	Dataflows & Datamarts (Reusable ETL & Self-Service)
Day-28	Power BI Premium / Capacity (Licensing & Workspace)
Day-29	Copilot & AI Visuals in Power BI
Day-30	Power Automate Integration (Alerts & Workflow)

Project: Enterprise Solution with AI & Automation

Key Highlights

- Real-time Project Based Training
- Live Online Classes
- Recording Access
- Downloadable Study Material
- Expert Trainer (Sujeet Sir)
- Interview Preparation
- Certificate of Completion
- Job Oriented Training
- Lifetime Support
- Flexible Timings

Power BI | Dataflows Datamarts | Premium Capacity | Copilot / AI Visuals | Power Automate

Power BI Business Intelligence Platform | Data Modeling Build Strong Models | DAX Advanced Calculations | Power Query M Transform & Load | Security RLS & OLS | Gateway & Refresh Keep Data Updated | API & Embedded Extend Possibilities | Deploy & Automate From Dev to Production | Premium & AI Next Gen Analytics | Call/WhatsApp +91 8802579388

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Tableau

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Week-1
Tableau Basics & Data Connection

Day 1	Tableau Interface
Day 2	Data Connection (Excel, CSV, etc.)
Day 3	Data Preparation
Day 4	Dimensions & Measures
Day 5	Quick Table Calculations

Project 1 Create a Basic Dashboard

Week-2
Data Visualization

Day 6	Charts & Graphs
Day 7	Filters & Parameters
Day 8	Calculated Fields
Day 9	Advanced Charts
Day 10	Dashboards & Layouts

Project 2 Interactive Dashboard

Table-3
Tableau Functions

Day 11	Date & String Functions
Day 12	Logical Functions
Day 13	Level of Detail (LOD)
Day 14	Table Calculations
Day 15	Trend Lines & Forecasting

Project 3 Advanced Analysis Dashboard

Woytelir-4
Storytelling & Enterprise

Day 16	Story Points
Day 17	Dashboard Actions
Day 18	Maps & Geospatial
Day 19	Data Blending
Day 20	Publishing & Sharing

Project 4 Dept Dashboard with Maps

Week-5
Real World & AI

Day 21	Tableau with AI
Day 22	Mac**elytics & Visualization
Day 23	NLP & Data Insights
Day 24	Automation & Integration
Day 25	Final Project + Certification

Final Project
End-to-End Tableau Solution
(Data → Viz → Story)

Advanced Excel
Formulas | Functions | Data | Tables

Data Analysis
Charting | Dashboards | MIS

Power Query
Import | Clean | Transform

Power Pivot & DAX
Modeling | Relationships | Time Intelligence

AI in Excel
Copilot | Automation | Insights

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SQL Query

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Week-1
SQL Basics & Setup

Day 1	Introduction & Environment
Day 2	SELECT, WHERE, GROUP BY
Day 3	ORDER BY, LIMIT
Day 4	Functions (String, Numeric)
Day 5	Subqueries

Project 1 Basic Query Report

Week-2
Joins & Data Analysis

Day 6	INNER, LEFT, RIGHT, FULL JOIN
Day 7	UNION, INTERSECT, EXCEPT
Day 8	Views & Indexes
Day 9	Stored Procedures
Day 10	Functions & Triggers

Project 2 Data Analysis with Joins

Table-3
Advanced SQL

Day 11	Window Functions
Day 12	CTE (Common Table Expressions)
Day 13	String & Date Functions
Day 14	Pivot & Unpivot
Day 15	Performance Tuning

Project 3 Advanced Query Report

Week-4
Analytics & Integration

Day 16	Import Data (CSV, Excel)
Day 17	Data Cleaning & Transformation
Day 18	SQL Server & ETL Concepts
Day 19	Data Modeling
Day 20	Reports & Dashboards (SQL)

Project 4 End-to-End Data Pipeline

Advanced Excel
Formulas | Functions | Data | Tables

Data Analysis
Charting | Dashboards | MIS

Power Query
Import | Clean | Transform

Power Pivot & DAX
Modeling | Relationships | Time Intelligence

Copilot | Automation | Insights

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Python - Data Analysis, Visualization & Dashboard Creation

25 Days Complete Practical Course

From Basics to Job Ready – Learn, Practice, Build Real Projects

Python · pandas · NumPy · Matplotlib · Seaborn · Plotly · Streamlit · SQL · API · AI

Learn Data Analytics
Build In-Demand Skills for a Better Career

Data Analytics Expert & Corporate Trainer

Week 1 – Python Foundations for Data Analytics (Days 1 – 5)

- **Day 1** – Python Introduction, Installation, Jupyter Notebook / VS Code
- **Day 2** – Variables, Data Types, Operators
- **Day 3** – Lists, Tuples, Dictionaries, Sets
- **Day 4** – Conditions, Loops & Functions
- **Day 5** – NumPy Fundamentals for Data Analysis

Project 1 : Basic Data Processing Script

Week 2 – Pandas & Data Cleaning (Days 6 – 10)

- **Day 6** – Pandas Series, DataFrame & Dataset Inspection
- **Day 7** – Reading CSV, Excel, SQL & JSON Data
- **Day 8** – Advanced Data Cleaning (Missing Values, Duplicates, Outliers, Data Types)
- **Day 9** – Filtering, Sorting, Apply(), Map(), Lambda
- **Day 10** – GroupBy, Aggregation, Merge, Concat, Pivot Table & Reshape

Project 2 : Sales Data Cleaning & Analysis

Week 3 – EDA, Statistics & Visualization (Days 11 – 15)

- **Day 11** – Exploratory Data Analysis (Complete EDA Process)
- **Day 12** – Date & Time Analysis with Pandas
- **Day 13** – Statistics (Mean, Median, Mode, Variance, Std Dev, Distribution)
- **Day 14** – Correlation, Outliers & Hypothesis Testing
- **Day 15** – Matplotlib + Seaborn (Business Charts & Styling)

Project 3 : EDA Report – Sales/Customer Dataset

Week 4 – Advanced Visualization & Dashboard (Days 16 – 20)

- **Day 16** – Advanced Seaborn (Heatmap, Boxplot, Pairplot, Distribution)
- **Day 17** – Plotly Interactive Visualizations
- **Day 18** – Dashboard with Streamlit
- **Day 19** – Dashboard-1 (Real Business Dataset)
- **Day 20** – Dashboard-2 (Advanced Interactive Dashboard)

Project 4 : Interactive Analytics Dashboard

Week 5 – SQL, API, AI & Real Projects (Days 21 – 25)

- **Day 21** – Python Automation (Excel/CSV Reporting)
- **Day 22** – Connecting Python with SQL Server / Database
- **Day 23** – API + JSON Data Fetching & Analysis
- **Day 24** – AI for Data Analytics (ChatGPT/Copilot + Python + SQL)
- **Day 25** – Machine Learning Foundation + End-to-End Project + Data Storytelling

Project 5 : End-to-End Analytics Project & Presentation

Key Topics Covered

- ✓ Python Basics & Automation
- ✓ NumPy for Numerical Analysis
- ✓ Pandas (Data Cleaning & Advanced)
- ✓ EDA & Statistical Analysis
- ✓ Data Visualization (Matplotlib, Seaborn, Plotly)
- ✓ Interactive Dashboards (Streamlit)
- ✓ SQL + Python Integration
- ✓ API & JSON Data Handling
- ✓ Machine Learning Foundation
- ✓ AI for Data Analytics (ChatGPT/Copilot)
- ✓ Data Storytelling & Business Insights
- ✓ Real-World Projects & Case Studies
- ✓ Resume & Portfolio Building
- ✓ Interview Preparation Tips

Learn Today
Build Your Data Analyst Career Tomorrow!

Course Highlights

- Live Interactive Online Classes
- Real-Time Projects & Case Studies
- Industry-Relevant Training
- Certificate of Completion
- Job-Oriented Training
- Doubt Support & Lifetime Access

Who Can Join?

- ✓ Students & Freshers
- ✓ Working Professionals
- ✓ Career Switchers
- ✓ Anyone Interested in Data Analytics & Data Science

Live Online Classes
Flexible Learning – Learn from Anywhere

Course Outcomes

- ✓ Build Strong Python & Data Analysis Skills
- ✓ Create Professional Dashboards
- ✓ Work with SQL & APIs
- ✓ Use AI for Faster Analysis
- ✓ Complete Real-World Projects
- ✓ Get Job-Ready & Confident

Skill Today
Success Tomorrow

Enroll Now

Limited Seats

- 100% Practical Training
- Lifetime Access
- Certificate Provided
- Job-Oriented Program

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AI Course

30 Classes × 50 Minutes (≈ 25 Hours)

Learn • Practice • Build a Career

Complete AI Learning Journey from Basics to Projects

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Module 1: AI Foundations (Classes 1–3)

Class 1	What is AI, ML, DL, and GenAI? History, Use Cases & AI Tools
Class 2	Setup: Google Colab, Jupyter & Python Basics
Class 3	Python Control Flow (if/else, loops) + 10 Programs

Module 2: Python for AI (Classes 4–6)

Class 4	Lists, Tuples, Dictionaries, Sets
Class 5	Functions, Modules, Error Handling & File Handling
Class 6	NumPy: Arrays, Indexing & Operations (Stats Calculator)

Module 3: Data Analysis (Classes 7–10)

Class 7	Pandas: Series, DataFrames, Filtering & Grouping
Class 8	Data Cleaning: Missing, Duplicates, Outliers
Class 9	Matplotlib & Seaborn Visualization
Class 10	EDA on Real Dataset (Sales Data Analysis)

Module 4: Machine Learning (Classes 11–17)

Class 11	ML Concepts & Intuitive Math (Train/Test Split)
Class 12	Linear Regression & Evaluation (MAE, MSE, R^2)
Class 13	Project: House Price Prediction
Class 14	Logistic Regression, Decision Trees & Random Forest
Class 15	KNN, Naive Bayes & Confusion Matrix
Class 16	Project: Customer Churn Prediction
Class 17	Overfitting, Cross-Validation, Feature Encoding, GridSearchCV, K-Means

Module 5: Deep Learning (Classes 18–19)

Class 18	Neural Networks, Activation Functions, Backpropagation & Keras Model
Class 19	CNNs for Images (Project: Handwritten Digit or Cat-vs-Dog Classifier)

Module 6: Generative AI (Classes 20–24)

Class 20	How LLMs Work & Prompt Engineering
Class 21	AI APIs in Python (Project: Chatbot with Memory)
Class 22	Embeddings, Vector DB & RAG
Class 23	Build RAG: Chat with Your PDF
Class 24	AI Agents & Function Calling

Module 7: Productivity, Deployment, and Careers (Classes 25–30)

Class 25	Workflow Automation (Email, Reports) + No-Code AI Tools
Class 26	AI in Excel & Power BI, Data Analysis with AI Assistants
Class 27	Streamlit UI & Deployment + Git/GitHub
Class 28	AI Ethics (Bias, Privacy, Hallucinations) & Capstone Planning
Class 29	Capstone Building and Testing (Workshop)
Class 30	Project Presentations, Career Guidance & Certificates

Course Highlights

- 30 Expert Classes
- Live Demos & Projects
- Hands-on Practice

Capstone Ideas

- Document Q&A Chatbot (RAG)
- Sales Forecasting Dashboard
- AI Resume Screener
- Customer Support Bot
- Student Performance Predictor

What Was Compressed?

- Some classes combine 2-3 topics
- Extra practice as Homework
- Capstone time is focused

Master AI Skills Build Your Future