

# POWER BI WITH AI & DATA ANALYTICS

## Training Program

### Who can do?

- This program takes learners from zero Power BI knowledge to an expert, client-ready skill level covering data preparation, modeling, DAX, visualization, and advanced interactivity while building a portfolio of real business dashboards students can use for freelancing or corporate roles.
- People who are from any discipline and like to enhanced their capacity with respect to business intelligence features or CRM may join this program on advanced level.

**100,000+ Students  
have been Trained**

since  
1997

**Program is  
offered by**

3D EDUCATORS  
22 Years of  
Excellence in  
Training &  
Development  
INT

**Invest in  
People the  
only Asset  
that Appreciates**



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## OBJECTIVE:

This Course is the basics to advanced level of Power BI, especially designed for those who are already working in financial institutions, BANKS, Hospitals, Pharmaceuticals Companies, and others and involve directly or indirectly with company's data. So that, this course is also effective for those candidates, who want to improve their skills in Microsoft POWER BI on advanced level.

The main objective of the course is to enhance the skills of any individual or corporate people, in MS POWER BI, by which to analyze, predict and explore the data of the organizations by using the tools and techniques of power BI.

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## **Table of Content**

Detail

Inauguration

Structure

Topics & Time Allocation

About the Program Designer & Instructor

Syllabus

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## Program Details

### Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

### Program Structure

|                        |            |
|------------------------|------------|
| No of classes per week | 02 - Class |
| Duration of each class | 02 - Hour  |
| Total Duration         | 32 - Hours |

### Other Learning Activities

|                             |   |
|-----------------------------|---|
| Classroom Assignments       | 4 |
| Presentations by Trainees   | 1 |
| Hands on Training with Labs | 8 |

In Affiliation with



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## What Makes This Course Different

Most Power BI courses stop at teaching the software. This program is built to keep students engaged from week one to week twelve and to leave them with something tangible: a portfolio they can show a client or an employer.

- Project-first, not feature-first: every module is anchored to a real business scenario (sales, HR, inventory, e-commerce) instead of teaching tools in isolation.
- Weekly milestones: each class ends with a small deliverable, so progress is visible and students never feel lost or behind.
- Live client simulation: in the later modules, students receive a 'client brief' and must design a dashboard against requirements and a deadline — mirroring real freelance work.
- Peer demo days: short 5-minute peer presentations every few weeks build the same presentation confidence tested in job interviews.
- Freelance/business track: a dedicated stream on packaging, pricing, and pitching dashboards as a service — not offered in standard Power BI courses.
- Badges & leaderboard (optional): lightweight gamification — a simple points/badge system per milestone — keeps motivation high without needing extra tools.

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## Program Structure at a Glance

| Module                                 | Level                 | Hours       | Focus                                             |
|----------------------------------------|-----------------------|-------------|---------------------------------------------------|
| 1. Foundations                         | Basic                 | 6           | Getting started, first real dataset, first report |
| 2. Data Prep & Power Query             | Basic–Intermediate    | 6           | Cleaning & shaping real-world messy               |
| 3. Data Modeling & DAX                 | Intermediate          | 8           | Relationships, measures, time intelligence        |
| 4. Visualization & Report Design       | Intermediate–Advanced | 6           | Storytelling with visuals                         |
| 5. Advanced Interactivity & Publishing | Advanced              | 4           | Navigation, security, sharing                     |
| 6. Business Dashboards & Freelancing   | Expert / Capstone     | 2 + project | work Client-ready portfolio piece                 |

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## Course Outline

### Module 1 — Foundations

6 hours | Level: Basic

- What is Power BI: Desktop, Service, Report Server, Mobile — where each fits
- Installing & navigating Power BI Desktop
- Connecting to a first real data source (Excel, CSV)
- Understanding reports, dashboards, datasets, and workspaces — now using the data just loaded
- Publishing a first report to Power BI Service
- 

*Engagement hook: students bring their own small dataset (personal expenses, a shop's sales log, a class attendance sheet) on day one and build their very first chart from it — instant ownership instead of a generic sample file.*

### Module 2 — Data Preparation & Power Query

6 hours | Level: Basic-Intermediate

- The Query Editor: Applied Steps, Advanced Editor
- Shaping, cleaning, and transforming messy real-world data
- Merging & appending queries, combining multiple sources
- Data types, error handling, and common cleaning workflows
- Manual & scheduled data refresh

*Engagement hook: a deliberately 'messy data' challenge — duplicate rows, wrong data types, missing values — students race to clean it correctly before time runs out.*

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## Module 3 — Data Modeling & DAX

8 hours | Level: Intermediate

- Relationships: cardinality, cross-filter direction
- Star schema basics and building a clean data model
- Calculated columns vs. measures vs. calculated tables
- Core DAX: SUM, AVERAGE, CALCULATE, and filter context
- Time intelligence: YTD, MTD, period-over-period comparisons

*Engagement hook: frame DAX as 'writing formulas that answer a business question' — each function introduced through a real question a manager would actually ask ("what were our top 5 products last quarter vs. this quarter?").*

## Module 4 — Visualization & Report Design

6 hours | Level: Intermediate–Advanced

- Standard visuals: charts, tables, matrix, treemap, funnel, maps
- KPIs, gauges, cards, slicers
- Custom visuals from the marketplace
- Page-level and report-level filters, drill-through, sort by column
- Layout, themes, conditional formatting, alignment & gridlines

*Engagement hook: a 'before/after' redesign exercise students are given an ugly, cluttered dashboard and must redesign it for clarity, then present the reasoning behind their design choices.*

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## Module 5 — Advanced Interactivity & Publishing

4 hours | Level: Advanced

- Buttons, bookmarks, and navigation between report pages
- Tooltip pages
- Row-level security basics
- Sharing dashboards (Power BI, PowerPoint, web embed)
- Power BI on mobile devices

*Engagement hook: students turn a static report into an app-like experience with clickable navigation — genuinely impressive to non-technical viewers, which builds confidence fast.*

## Module 6 — Business Dashboards & Freelancing (Capstone)

2 in-class hours + guided project work | Level: Expert

- Turning a client's vague request into clear KPIs and requirements
- Designing dashboards for real use cases: sales performance, HR & attrition, inventory & supply chain, e-commerce, competitor/market analysis
- Building one full client-ready dashboard from scratch — the portfolio piece
- Presenting/pitching a dashboard to a client: structure, storytelling with data
- Packaging this as a freelance service: scope, pricing, deliverables, client

expectations Sample capstone project briefs (students choose one or are assigned one)

- Sales Performance Dashboard — track revenue and trends across time, region, and product category
- HR & Attrition Analytics — uncover what drives employee turnover and cost per hire
- Inventory & Purchasing Dashboard — identify slow-moving stock and reorder points
- E-commerce Analysis — customer behavior, conversion, and product performance
- Competitor / Market Analysis — benchmark a company's performance against competitors

*Engagement hook: the capstone is presented as a 'client pitch' in front of the class — students describe the brief, walk through their design decisions, and take questions, exactly as they would with a real freelance client.*

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## **TERMS & CONDITIONS**

### **WITHDRAWAL FROM THE DIPLOMA/CERTIFICATION**

Students are not allowed to withdraw from the Diploma. If a student cannot continue the Diploma his/her fee will be forfeited.

### **CONDUCT AND DISCIPLINE**

A disciplinary action, leading to rustication, will be taken against students whose conduct is found objectionable at any time during the course of study. Reference will be made to 3D Educators code of conduct.

### **EVALUATION AND GRADING**

The performance of students is evaluated through continuous observation of a student's performance in the Diploma – class participation, submission of assignments, quizzes and exercises.

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The student will be examined through three hourly exams conducted at the midterm and a final exam at the end of the program. Total marks for passing the Diploma will be 60 out of a total of 100.

Students who do not meet the attendance or any other eligibility criteria will not be allowed to appear in the final examination.

The following grading plan will be applicable for the Diploma:

|    |          |
|----|----------|
| A  | 87 - 100 |
| B+ | 81 - 86  |
| B  | 72 - 80  |
| C+ | 66 - 71  |
| C  | 60 - 65  |
| F  | below 60 |

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Students who are unable to appear for the final exam are required to submit a written application stating the reason for not appearing for the exam. 3D Educators reserves the right to approve or deny such applications. If approved, the student will be allowed to sit for the exam within one month. Failure to do so, the student will be resubmit the examination fee and sit the future schedule exam. Without passing of the exams no certification will be awarded.

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## ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to [info@3deducators.com](mailto:info@3deducators.com) with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it [info@3deducators.com](mailto:info@3deducators.com). Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.

## DISTANCE NOT MATTER

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.

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## PRECAUTIONARY MEASURES

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

## CONTACT US

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Get the Admission Form

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